

HPLWORLD

The Duropal Magazine_No. 01_2007-2008

DEPENDABLE MEETS DESIGN

Introducing a brand
with many facets

“HPL is
our World”

THE CREATIVE MINDS AT DUROPAL

STRONG PARTNERS

Duropal in colour match with
wodego and Pfleiderer Industrie

CLASSIC MEETS CONTEMPORARY

A range that sets standards

If you would like to see a larger A4 sample of your preferred decor, this can be obtained from a distributor in your area or via www.duropal.com



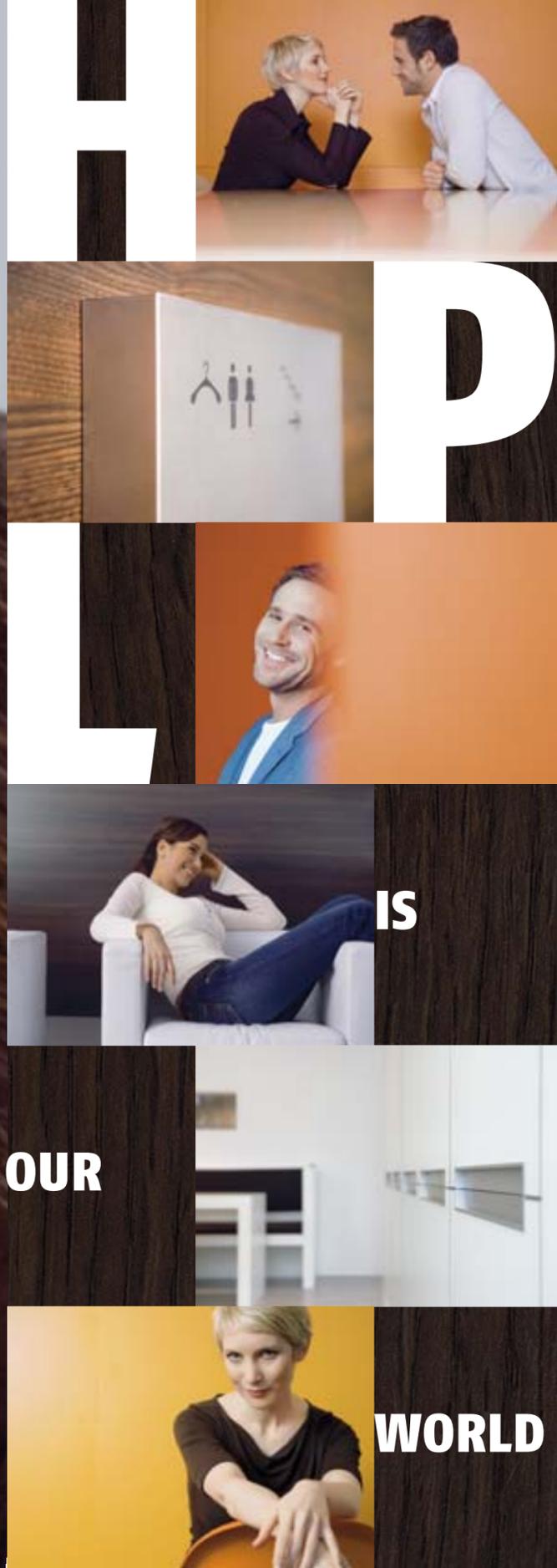
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The Duropal Magazine_No. 01_2007-2008 **HPLWORLD**



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OUR



WORLD

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DEPENDABLE MEETS DESIGN

Dear Reader,

Another milestone has been reached: you have in your hands the first issue of "HPL World", with which we are simultaneously opening a new chapter in the success story of the Duropal brand.

For the few among you who don't yet know us so well: since 1958 Duropal has been considered a specialist in the manufacture of decorative high-pressure laminates (HPL). We thus offer the interior design sector and the furniture industry a material that is both versatile and high quality while perfectly combining such redeeming features as "dependable meets design". We are particularly proud that we ourselves have the complete process of HPL production under our own control: from the development of resin production and impregnation through to the production of complete HPL elements. You see: HPL is our world.

The year 2007 marks a turning point in our history: after successful restructuring within the Pfeleiderer Group, the Duropal brand is again autonomous – and from now on presents itself to its customers and markets in cooperation with the strong partners wodego and Pfeleiderer Industrie. For us this is the ideal basis to align ourselves even more closely to your wishes and needs with our products and services in the future.

A first result of this is "HPL World" – the magazine for interior design with which we would like to offer you informative, entertaining and varied insights into our world: we present ourselves as diversely as the diversity of our material, and in doing so also document the impressions and views of external HPL experts.

I wish you great pleasure in discovering our world – the world of high-pressure laminates.

Yours



Meinolf Hering_DIRECTOR



LIVING ON 16 M²:

How six students create a
Microloft from Duropal HPL.



_22



_56

THE DESIGNER INTERVIEWED:

Rolf Warda on decor trends and
the brand Duropal.

_36

CAN COLOUR WORK WONDERS?

Interior designer Marcus Ruge explains
the significance of design and materials
in hospitals.



FUNCTION AND INNOVATION:

All the facts about the new sur-
face structure "Crystal stone",
the antibacterial surface
Duropal microPLUS® and the
added-value worktop.

_46

DUROPAL



OF TENDER YEARS AND YET SO TOUGH:

A Duropal worktop tells its story about life in the Miller's family home.

_54



_14

ALWAYS A HIGH-PRESSURE ZONE:

How a worktop is made at Duropal.

MAGAZINE

- 06 _ THE CREATIVE MINDS behind the brand Duropal
- 12 _ COMMENT by the product manager
- 14 _ SIX STAGES of Production
- 16 _ PARTNERSHIP with wodego and Pfeleiderer Industrie
- 22 _ MICROLOFT made from Duropal HPL
- 30 _ DESIGN in four genres
- 36 _ INTERVIEW on the subject of "Trends"
- 42 _ SOMETHING SPECIAL at Duropal
- 44 _ EXPERT OPINION on the subject of "Trends"
- 46 _ ADDED VALUE for the customer
- 54 _ A STORY to make you smile
- 56 _ THE INFLUENCE of colour in hospitals
- 58 _ RECOMMENDED reading
- 60 _ HISTORY in the making

INFO SECTION

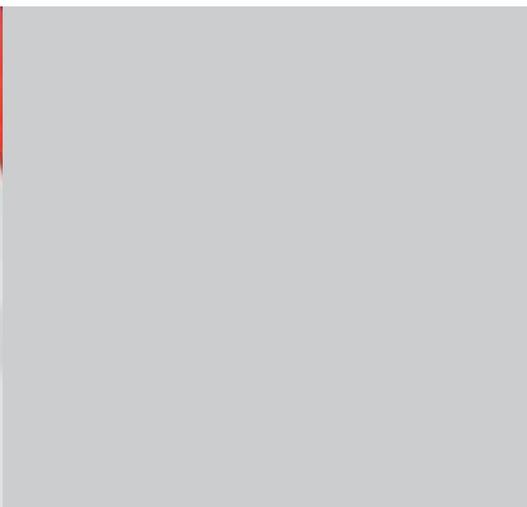
- 66 _ Plain Colours
- 72 _ Wood Reproductions
- 90 _ Fantasy and Stone Reproductions
- 106 _ Duropal HPL
- 108 _ Duropal HPL-Solid
- 110 _ Worktops
- 112 _ Windowboards
- 114 _ Flat bonded elements



The star is the team. That also and particularly applies to the Duropal employees in Arnsberg in Westphalia. And as with every good team there are creative minds in the background that set the course for success and growth. "HPL World" presents these people and shows what drives them.

"HPL IS OUR





WORLD"





01



02



03

THE NEW THINKER

A new beginning with established structures. This is the task **Meinolf Hering** now faces as **Director** of Duropal GmbH. While the "strong partnership" between Duropal and wodego continues, with its new autonomy the Arnsberg quality brand faces great challenges. Hering defines the goal as follows: "We will emphasise our competency in the field of high-pressure laminates through the quality of our products and the reliability of our service. In retail in particular we want to be the best partner for our customers and, by means of trend-proof innovations, make our presence known to the market with an unmistakable signature."

To fulfil this aspiration Hering, the Duropal works council and the company's technical experts launched the project "Duropal 2010": "Together we have developed a concept for a successful future."

The 53-year-old sees the company's market and customer orientation strengthened by the new autonomy: "At the Arnsberg location the customer once again gets a full service from one source.

All contacts are on location. The customer does not have to go without a single service. On the contrary: he has a double benefit. For, in addition to the products and services we offer here in Arnsberg, he profits from the possibilities of the colour match that we offer together with our partners wodego and Pfeleiderer Industrie."

Initial successes already confirm the new strategy: "Through the introduction of a new planning software we were able to greatly reduce delivery time to the customer, increase the productivity of our production and considerably improve the transparency of our stocks and processes."

THE SALES STRATEGIST

Since Duropal has been back on the market as an autonomous brand, **Reinhold Hinterhölzl's** day could have 48 hours. And even then it would be difficult to get an appointment with him. "The entire customer communication has to be put on a new foundation and every sales tool brushed up. We have to make clear that we are the HPL expert. And in the end everything has to be understandable for the

customer," the **Sales Manager** describes just one of the focal points of his job. Another is the new decor collection. "You can't just throw 300 decors at the customer and wish him lots of fun with them. It is not enough that the decors are new and trendy. You need a design story, too, something that explains clearly to everyone why we have these decors in the range."

In conversations with designers and when visiting the large furniture fairs, Hinterhölzl tries to filter out "what are the trends and themes that are coming our way." Put another way: "If suddenly all the sofas are red, that should affect our collection."

Innovation is the magic word here. That applies not only to the decors. "We've done our homework. And a bit more too," says the 52-year-old referring to product innovations such as the

01_ Meinolf Hering, Director
02_ Reinhold Hinterhölzl, Sales Manager
03_ Peter Röhr, Product Manager
04_ Reinhard Hackspiel, Decor Manager



extra-thick worktop as an additional design element, the new surface texture "Crystal Stone" for a deceptively genuine-looking stone effect and the antibacterial effect of Duropal microPLUS®.

In addition to all this, the day-to-day business of the sales manager has to be taken care of. For example a flight to Dubai or Singapore to coordinate major current projects. With products made in Germany, made in Arnsberg, made by Duropal.

THE MAN FOR EVERYTHING

"I'm the firm's good and bad conscience" is how **Peter Röhr** describes his position at Duropal. You could call him a "wanderer between the worlds", because that also matches the key role he plays in the company.

As **Product Manager**, Röhr is nothing other than the interface between all departments – and accordingly very much in demand. So it is sometimes completely normal that his day begins early in the morning agreeing on decors and ends late in the evening in the office when he has answered the last email in his inbox.

In fact his area of responsibility really is extremely diverse: "In classical terms I accompany the product from its birth right through its entire life cycle." When it is a matter of developing new products, the 40-year-old sees himself as the "stumbling block". If Sales wants something that is technically not possible to produce, "now and then I have to be the hard nay-sayer".

Duropal products cross his desk at every stage of their development. In this regard, for him it is a matter of optimising processes and reducing complexity: "A sensible product range is important for good interaction between production and customer." In addition he collects all important information and supports Sales with continuous product training activities.

In between, his know-how is in demand when he chooses decor innovations together with design managers and Sales: "Some designs are difficult to realise technically. In these instances you need to know the possibilities of your own production and if necessary develop new production processes."

THE DESIGN EXPERT

"It's only after one to one-and-a-half years that you see if a new decor really takes off." **Reinhard Hackspiel** should know. Having trained as an industrial clerk, since 1985 he has dealt with decorative surfaces: "Back then they needed someone with an eye for the figures but at the same time a feel for colours and shapes." It has stayed that way to this day, which shows that Hackspiel has a good grasp of his job as **Decor Manager**. For it is only years later that it can

be seen whether he has the right eye for it.

"You have to be able to look ahead," says the 56-year-old, whose search for new trends also takes him again and again to the large textile fairs, into the fashion world or the automotive industry: "What works well for years in these areas usually does well as a decor too." A current example for him is the colour white: "In the textile industry this trend is already there, now it is also turning up in the auto industry."

With white the case is clear, but there are also trends whose success potential cannot be assessed: "When it's something completely new it's not easy to judge." In this connection the cooperation with designer Rolf Warda proves to be highly effective. "He brings in the artistic aspect and always tries to look a bit further into the future," says Hackspiel, who knows how important it is to stand out from the crowd with a new range: "Even with an apparently simple metallic decor it is normal to choose a proprietary colour setting in the printer's laboratory and to patent it."

It's not always something special, however: "There are decors in the range that have been running perfectly for 20 years.

A neutral grey, for example, will always sell."

THE HPL SPECIALIST

"We think in beauty, and we sell beauty," says someone who should know: as **Production Manager** at Duropal, **Franz-Josef Thoben** is responsible for ensuring that from goods-in to the finished product everything runs smoothly and in a coordinated manner at the Arnsberg factory.

When he talks about Duropal HPL he can't stop raving: "Our HPL is very robust, durable, flexible, hygienic and thus extremely versatile for building and interior fitting. We also offer practically every design you could ever imagine. Right through to individually customised motifs." The 54-year-old thus sums up the poles between which he moves every day: "The customer's wishes come first. But

"OUR HPL IS VERY ROBUST, DURABLE, FLEXIBLE, HYGIENIC AND THUS EXTREMELY VERSATILE FOR BUILDING AND INTERIOR FITTING."

with the smaller production lots in particular we have to make sure production is still rational and profitable."

Thoben describes the control software P@PPS introduced at Duropal in 2006 as a quantum leap for the company. The press of a button is all it takes and the production manager knows how far each machine is with which order. "With this we have managed to shorten processing times by up to 50%." As proud as the native East Friesian is of P@PPS, he is even prouder of his production staff: "They are all outstanding people with whom you can tackle the tasks for the future with great strength." For Thoben these tasks involve becoming even more in-

novative and reliable: "If you want to be considered a pioneer of ideas you have to work at it, work at it, work at it and constantly come up with new, creative ideas. That applies to the products and in future even more to service."

THE LOGISTICS PRO

Looking at the latest statistics, **Wilhelm Schmidt** can be more than satisfied: in delivering HPL products, Duropal has improved to the highest degree regarding adherence to delivery dates and in the right quantities. Customer satisfaction is correspondingly high. Nevertheless the **Logistics Manager** won't sit back until the full 100 per cent has been achieved: "We have the ambitious goal of being the most reliable HPL

supplier. To do that you have to know the market and its demands exactly – and always be ready to make the impos-

sible possible. The customer has to feel that, because that's what he measures us by."

The 55-year-old's area of responsibility ranges from planning and work preparation through shipping and distribution logistics to inventory and stock management. The Duropal dedicated production programme is customised for industrial customers, whereas the retail sector appreciates the advantages of the stock programme – and thus the rapid availability of the desired products. Because Schmidt is always after constant improvements here as well, since the beginning of 2007 Duropal also offers a special fast delivery programme for flat bonded elements. "This guarantees that flat bonded

elements are produced in the desired quantity within a week," says Schmidt, who sees the advantages of Duropal above all in its versatility: "With Duropal the customer gets the entire HPL spectrum from one source. And that applies equally to bulk and to niche products. And precisely here is where our know-how lies: we are able to easily handle even the smallest volumes."



THE QUALITY INSPECTOR

Thorsten Heif is one of those people who are very precise in everything they do. A characteristic that is an advantage in his job. The 37-year-old heads up **Quality Assurance** at Duropal. The more precisely he does that, the greater the customer satisfaction. That begins with the inspection of the decor and core papers and ends with the inspection of finished goods. In between, Heif checks for example on the thickness, density and technical properties of the chipboard used at Duropal.

He also follows the individual finishing stages in the production of HPL elements: a critical point here is the bending test, says the

Westphalian, who proudly points out the “very good postforming properties” of Duropal HPL: “The tight radii we are able to achieve are largely due to the fact that we develop and produce the resins we use ourselves.”

But at Duropal Heilf is much more than just the product and quality inspector. With his colleagues in the laboratory he tries out on a small scale what

Department plays a key role at Duropal. In this respect the work done by 57-year-old **Dr Kurt Nonninger** and his team of eleven is in such demand that in addition to Duropal the other companies in the Pfeleiderer Group also gladly make use of it. The latest example is the new antibacterial surface Duropal microPLUS®. Nonninger and Co. successfully developed a surface that not only pre-

it becomes clear what HPL really does for a worktop, while further experiments test whether the postforming properties are in fact what they need to be in production.

Meanwhile Nonninger and his team are already working on the next big project. But unfortunately it’s a waste of time asking about it. Because as always in a research laboratory the answer is: top secret.



06



07



08

should later be possible on a large scale. In other words: “Not every product you’d like to take to market can also be technically realised immediately. Sometimes you first have to turn a few screws and sound out the limits of the technical possibilities really precisely.”

Thus Heilf is also responsible for redefining quality at Duropal when, for example, in close consultation with the customer it is a matter of defining and agreeing the requirements for future major projects.

THE PATHFINDER

There’s no question about it: the Research and Development

vents bacteria from increasing but in fact even manages to reduce them by over 99 per cent within 24 hours. And all of that with a combination of materials that are completely harmless to humans. Another focal point for HPL production is resin chemistry. “Our core competency. We really know a lot about developing resins, glues and bonding agents on the basis of specific requirements,” says Nonninger with reference to the high level of quality “that has constantly been raised for years.”

As always, when a new product is developed the result must first go through the individual testing stations of the Duropal laboratory. Thus in the scratch test

05_ Franz-Josef Thoben, Production Manager **06_** Wilhelm Schmidt, Logistics Manager **07_** Thorsten Heilf, Quality Assurance **08_** Dr Kurt Nonninger, Head of Research and Development



INDIVIDUAL AND UNIVERSAL

BY PRODUCT MANAGER PETER RÖHR



Product Manager
Peter Röhr

From the Editor's Desk

High-pressure laminate indisputably combines the key aspects for interior fitting: great decorative versatility, consistent durability and thus stable value. Ideal for creative building design, functional and decorative fitting of cruise ships as well as the development of modern, durable furniture in homes.

Features such as high-impact strength and shock resistance, abrasion and heat resistance or retardant behaviour in case of fire are specified by the HPL standard EN 438 and can thus be found in all HPL products on the market. For Duropal HPL these are hygiene factors that have been fulfilled for decades; beyond this you can expect a lot more from Duropal HPL. Attractive decors for every design idea, optimum HPL surfaces for every area of application: Duropal HPL

offers designers and processors the ideal material for innovative furniture design and tasteful interior fitting. See for yourself: the current Duropal HPL range with more than 300 decors offers numerous new decor suggestions on the one hand, and on the other hand provides well-known and proven decor themes. This attractive versatility can be combined with a total of 13 HPL surface textures; Duropal supplies the most commonly used decor surface texture combinations from stock. The new HPL surface texture "Crystal Stone" offers highlights in combination with matt areas – an experience in optics and haptics.

The Duropal surface "High Gloss Special" impressively shows that a harmonious decor surface combination is not achieved at the expense of durability:



High-gloss HPL remains trendy. Duropal offers a "high gloss" that is one of the best on the market in terms of gloss level. "High Gloss Special" also offers considerably greater durability with regard to scouring; a design surface with far more usage benefits in comparison to conventional high-gloss surfaces. If silk matt optics are called for, the Duropal surface "Silk matt Special" offers the same benefits as "High Gloss Special".

Duropal HPL elements – above all this means decorative high-pressure laminate panels, permanently bonded with high quality chipboard as the core material. For the widest range of applications worktops, windowboards, postformed elements and versatilely usable flat bonded elements are available. In particular the small postformed radii of the Duropal

worktops are appreciated by customers: thus Duropal was the pioneer in the area of 3 mm postformed profiles, today's Quadra profile. Because the focus is on worktops with a thickness of more than 40 mm, Duropal also offers these with the Quadra profile. These are optics that set new standards.

HPL is our world. Take us at our word. Be a part of our world.





H

MELAMINE AND PHENOLIC RESIN

An important prerequisite for the surface hardness of HPL is the use of melamine resin. This synthetically produced resin is one of the hardest materials – and processed as HPL is guaranteed to be harmless to health. The overlay and the decor paper are impregnated with melamine resin. This is how the hardness is created in the surface of the laminate. The overlay (covering the decor paper) protects the decor beneath it from mechanical, thermal or chemical wear and is thus the component that guarantees a long service life. Also especially important with melamine resin is transparency, so that the colour of each particular decor remains unchanged.



The HPL core is made up of high-quality soda kraft papers that are impregnated with phenolic resin. The phenolic resin brings the elasticity into the whole HPL system. As a result HPL can be easily processed whilst retaining its great impact strength. Duropal relies exclusively on its proprietary melamine and phenolic formulations that are developed and produced on site. The heart of resin production is condensation. But before the raw materials are mixed and produced here in a closed system, individual samples first have to go to the laboratory for approval. In the condensation process the individual components finally come together before a chemical process is set in motion. This is stopped at that exact point in time when the resin has reached its optimum consistency. If the process were to continue, a thick solid lump of resin weighing several tonnes would paralyse the entire condensation. At the end of resin production the resin is of course again closely analysed. It is important that the specified viscosity is achieved, no gases develop and that the resin displays optimum properties regarding the later required postformability.

A HIGH PRESSURE ZONE WITH THREE LETTERS:

HPL

How a worktop
is made at Duropal
in Arnsberg

HOW IS ONE OF THE HARDEST AND MOST VERSATILE MATERIALS IN THE WORLD ACTUALLY MADE? AND HOW IS IT FINALLY TURNED INTO A WORKTOP? A TOUR OF THE PRODUCTION IN WESTPHALIAN ARNSBERG PROVIDES ANSWERS TO THESE QUESTIONS.

CORE PAPER AND DECOR PAPER STORE This is where everything begins – and as the names already indicate: the core paper serves as the main core of the laminate, while the decor paper determines the design of the worktop that will later be produced. A key criterion for the paper is a high level of absorbency.



IMPREGNATION In a continuous process the paper is conducted through a resin bath into the drying channel and then cut into individual sheets. The core paper is impregnated with brown phenolic resin, the decor paper with transparent melamine resin.

CORE AND DECOR LAYING ROOM Depending on the desired thickness of the laminate the required number of core paper sheets are now laid up together. An overlay (transparent, impregnated paper sheet) is placed on top of the decor paper. Finally a textured steel plate determines the haptics and optics of the HPL surface texture.



HPL PRESS Now the prepared core and decor impregnated papers come together for the first time, are laid up together and inserted into the press, where through a combination of pressure and temperature a laminate sheet is created. The actual HPL (High-Pressure Laminate) is now ready.

ELEMENT PRESS Now the laminate sheets are glued onto chipboard and inserted into the press. There the glue quickly hardens under the effect of pressure and temperature. Beforehand, however, the chipboard must first be processed – i.e. sanded, hardened and profiled.



PRODUCTION LINE In one of the most modern plants of its kind the overhanging laminate is plasticised by means of heat, bent around the profiled edge of the chipboard (postforming) and then glued. A special hot-melt adhesive seals the butt joint between the decor and the reverse foil – and with that the board is fully sealed against moisture ingress and finished!



When two set something in motion, a third party profits. This succinctly describes the partnership existing between Duropal and wodego within the Pfleiderer Group. On the one hand the specialist for high-pressure laminates, on the other the pro for melamine-faced decorative panels and rapid logistics: the result is a homogenous sales and distribution structure and a colour match stock range that redefine market standards. The third party – and thus the major beneficiary – is the customer.



Ulrich Schmitz,
wodego Sales Manager

“The combination of melamine-faced decorative panels and Duropal high-pressure laminates is what makes our range extremely interesting for the various target groups,” explains Ulrich Schmitz, Sales Manager of the wodego brand. The combination he mentions is the colour

match stock range. This offers customers two key advantages:

On the one hand they have the option of combining melamine-faced decorative panels (DP), Duropal high-pressure laminates (HPL) and

edges in the same decor. Currently 99 decors are available for this. Using the example of a sideboard this means: the decor optic is the same throughout, although the horizontal surface is made of durable HPL

and the vertical panels are made of economical melamine-faced decorative panels. “In this way we offer suitable products for every requirement and every budget,” says Schmitz, who also points out another interesting option when designing rooms: “When you are working with areas that have the same decor but

“THE COMBINATION OF MELAMINE-FACED DECORATIVE PANELS AND DUROPAL HIGH-PRESSURE LAMINATES IS WHAT MAKES OUR RANGE EXTREMELY INTERESTING FOR THE VARIOUS TARGET GROUPS.”

DUROPAL MEETS WODEGO

*How the partnership works
in the German market.*



different surface textures, the colour is still the same, but because of the varying surface optics and haptics you get interesting contrasts."

The second advantage: all products from the colour match from wodego and Duropal are available directly from stock in the most commonly used formats. And because the rapid availability is particularly appreciated by customers, wodego has developed a network of currently around 130 key merchants in the national timber wholesaling trade. From these, the colour match products are either available directly ex stock or very quickly ex factory. Schmitz comments: "The principle of the key merchants makes sense. A joiner needs a partner in the timber trade who can supply him with everything from one source. This is exactly the option we provide him."

The joint sales and distribution organisation is equally clearly structured: key accounts in the

furniture industry who wish to profit from the benefits of the colour match are looked after by the field staff and internal sales staff of Pfeleiderer Industrie. "The classical large building business is handled by wodego and Duropal, whereby Duropal has its contacts in internal sales while wodego handles all the field work," explains Schmitz, who places great hopes in the new autonomy of the Duropal brand: "As a logical consequence Duropal can offer the market greater service quality as well as specialist and product competency. The result is more innovations, a finer product range and far greater flexibility in the large building business."

Of particular importance to the wodego sales manager in this respect is that both brands are able to present the customer with a uniform image: "wodego and Duropal are a team that offers all options."

The image features a dark wood-paneled wall as the background. A white rectangular text box is positioned in the upper right quadrant. In the lower foreground, a dark brown leather chair with a metal frame is visible. The text inside the white box is bold and reads:

**THE “HOME-BASED”
PROBLEM-SOLVER
FOR MAJOR FURNITURE
MANUFACTURERS**

PFLEIDERER INDUSTRIE OFFERS THE RIGHT COMBINATION OF MELAMINE-FACED CHIPBOARD AND DUROPAL HIGH-PRESSURE LAMINATES FOR ALL ITS MAJOR CUSTOMERS.




Rainer Zumholte, Managing Director
Sales and Marketing at Pfeleiderer Industrie

Home living trends are not just determined by colours and shapes, but also by the materials that are used. This is where Pfeleiderer Industrie – who also organises the marketing of Duropal high-pressure laminates (HPL) for major customers in the furniture industry – makes a difference to consumer behaviour. “With regard to vertical applications in particular, the main issue in recent years has been price. The fact that the quality of the product left much to be desired and it was therefore only suitable for decorative purposes, was irrelevant. The main thing was: it was cheap. But now this ‘cheap whatever the cost’ mentality finally seems to have had its day,” believes Rainer Zumholte, director of sales and marketing at Pfeleiderer Industrie.

He looks to the future with optimism. “Quality is becoming the main issue again; customers are not prepared to accept anything but the highest quality materials. This is also confirmed by feedback from our

customers in the furniture industry, who almost without exception see their future in the high-quality segments.” And “high quality” also means a step towards greater individuality. “Perhaps it was amusing, in the early days, to see that your neighbours had the same furniture as you did – or even to see it on the set of a soap opera. But over time it made individual taste quite ordinary. Now, everybody wants to do their own thing again. And that is reflected in the furniture industry. Apart from the usual series production, individuality is becoming more important again.”

And this is exactly where Zumholte believes Pfeleiderer Industrie’s particular strength lies: “We see ourselves as problem-solvers for customers whose focus is on the kitchen, bathroom, living room and office. Because we are able to offer the entire product range and full service from a single source.” There’s a good reason why Pfeleiderer Industrie sees itself as the “home-based”

partner to furniture manufacturers. “Where it is required, we supply the market with melamine-faced chipboard. If however sturdy, high-quality furniture is wanted, our partners can rely on Duropal high-pressure laminates.” Zumholte refers to the product and colour match range as a particular advantage: it facilitates matching combinations of melamine-faced chipboard (MFC) and high-pressure laminates (HPL). “This means that there is something for every taste and wallet in our portfolio.”

Pfleiderer Industrie strives to maintain close contact to the suppliers to the major furniture manufacturers. Let’s look at “made-to-measure worktops” as an example. Rainer Zumholte explains: “Sometimes a kitchen manufacturer might want an extra-thick worktop for the customer, whereas for others only an ultra thin one will do. We at Pfeleiderer Industrie, as the link to Duropal, make sure that everyone gets exactly what they want. And just in time.”

interzum



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Success through partnership

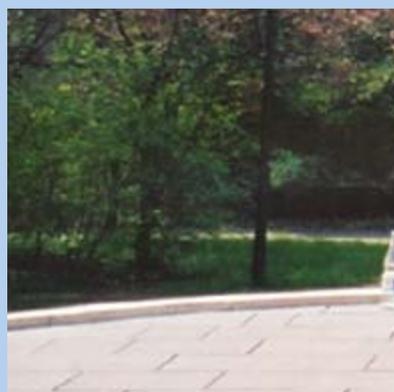
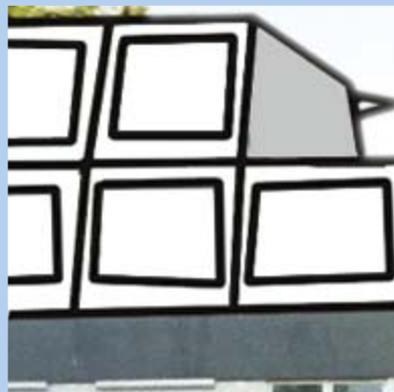
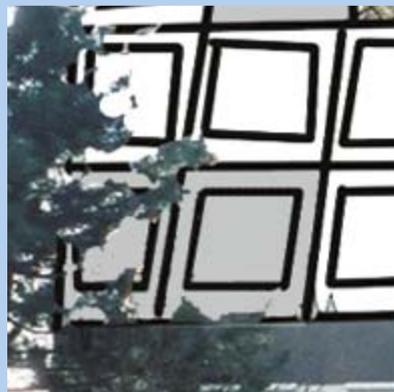
Let's navigate the course together – through galleys and saloons.

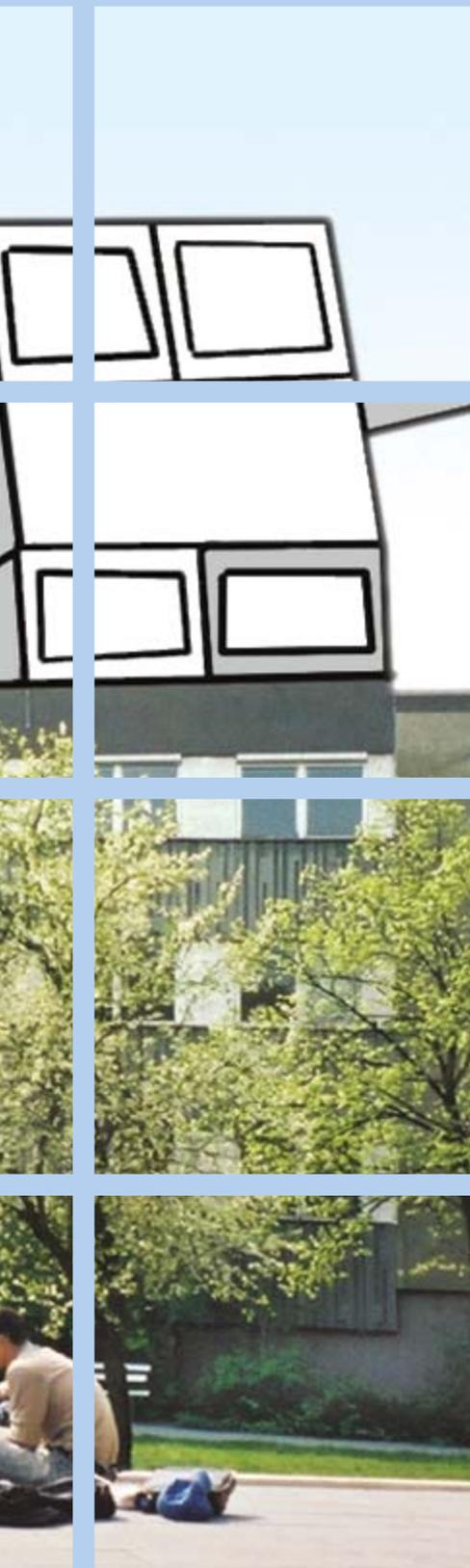
Creative freedom for your application. Colour match provides security.

Create – horizontal, vertical, for high or low duty, melamine faced or laminated – Pfleiderer and Duropal will ensure that the colour matches!

Partnership – same course, same aim!







THE MICROLOFT EXPERIMENT:

LIVING, RESIDING AND WORKING ON

16 m²

WITH DUROPAL HPL SIX STUDENTS MADE THIS
"MICROCOSM" POSSIBLE.

Cooking on the desk? Showering in bed? And sleeping in the closet, or what? Similarly confused questions went through the minds of the six students of Giebichenstein Castle College of Art and Design when Professor Klaus Michel announced the subject of the summer semester project to them: "microloft – living on 16 m²". This alternative residential concept for the city as housing space was realised on a scale of 1:1 with Duropal HPL. Michel's condition: "In the microloft life must be able to take place, that means living, residing and working on 16 m²."

"The biggest challenge was to not only design the room, but to build it ourselves," recalls

student Judith Kernt. Can that really all be possible? The early scepticism was quickly overcome by action. "Doing instead of thinking" is Michel's motto. "My principle is called 'explorative designing'. By that I mean 'sketching in 3D' – building, experiencing, changing, redefining concepts, approaches and experiments. Wrestling with the factual, filing away at what has been built takes you further and leads to awareness. I am interested in light-footed, carefree designing, in playful finding of ideas and their quick examination in 'reality'. Maximum function in a minimal space – that was what appealed to me about microloft."

PLANNING AND PREPARATION: ALL BEGINNINGS ARE CARDBOARD

On the basis of initial draft ideas three groups of two were formed to each occupy a box and fill it with life. The foyer of the college was available as accommodation. The students divided the room into three equal parts with beams, creating three times 16 m². The foyer was then transformed into autonomous boxes with partitions. The "micro-foundation stone" was laid!

To get a feel for the room and the real size of 16 m² the students experimented with cardboard models to simulate the volumes and proportions. For this they first had to think about which objects and items of furniture were really needed. Quite a lot came out of it. These were, in the bathroom: shower, toilet, wash basin and shelf. In the kitchen: cooker, somewhere to wash dishes, refrigerator and storage space. In the living room: desk, bed, wardrobe, dining table and seating. With the cardboard dummies the students tried out many different living situations. Their attention during the project work was focused on opening up new possibilities in a tight space – so each group developed corresponding extras related to their special topic. The motto here was: from a little make more! "The most rewarding part was to see the design you had in your head becoming reality and being able to try out whether and how the concept worked," recalls Judith Kernt.



MATERIAL: "SLAB CONSTRUCTION" ANOTHER WAY

Lots of ideas, lots of functions and lots of HPL: an innovative project needs an innovative material. Duropal HPL was freely available to the students. The material was the ideal "work partner" for individual, functional interior fitting. "The idea was to build a mock-up on a scale of 1:1. That's why we wanted to build the 16 m² room as a volume and make it a walk-in space. The room itself was also built free-standing out of Duropal HPL," says student Judith Kernt. She was highly satisfied with the material. "The good surface function was apparent in particular in the bath and dishwashing area – that made its use close to reality," thinks Michel. And because Duropal panels are not only good to walk on but also good to sleep on or prepare food on, the "shift" work was able to get going.

microloft

The idea and its background

External urban space barely allows any more opportunities to freely position dwellings. The independent, individual space to design and develop oneself is shrinking and with it the attractiveness of the city as a living space. Nonetheless, young people in particular appreciate the social and cultural advantages of urban structures. But constantly rising property prices restrict the urban residential clientele. Metropolitan areas with building stock call for new solutions in dealing with the shortage of space. Building cheaply will be one solution – minimising the space used another. And this is where the microloft comes in: thanks to the modular living structure, depending on the need you can occupy individual places in the city area or form multi-part complexes. The dwelling space can be adapted to individual requirements. The rooms are reversible and transportable – i.e.: suited to the growing demand for social flexibility.

With microlofts the future could look like this: students build their shared apartments on the university roof, the busy single builds next to the department store, and couples or small families build themselves a combiloft. The "stacker" utilises multi-storey gaps between buildings and the nature-boy builds a second home in the park.

Three concepts, one goal:

ON YOUR PANEL, GET SET, GO!

CONCEPT 1:

SIX-PACK

Six-pack is a functional wall and translates all volumes into the wall areas. That offers an empty neutral space which is only activated by folding it down. Six different functional units can be freely combined. The six dwelling strips are each 1 m wide functional units. They differ from each other in detail, colour and floor covering. The functional units are: sleeping, living, dining, cooking, dressing and washing.



A 25-cm-deep functional wall integrates the dwelling furnishings. In the closed state the fold-down elements are flush with the surfaces. Pictograms engraved into the HPL overlay identify the individual elements. At the same time they mark the pressure points for the magnetic catch. Pressing lightly allows opening and closing.



The catch contact serves as a light switch. When open the coloured plexiglas tubs (negative form of the furnishings) are backlit. The light colour in each case indicates the active zone.

**The functional wall:
ALL GOOD THINGS COME IN SIXES**

Sleeping: By placing the five elements next to each other in a row you get a comfortable divan bed over 2 m long. The combination with the "living" area allows a guest or double bed.

Living: From the "lounge" element individual seats can be created.

Dining: Two table sizes can be folded down for individual working or convivial dining. Folding chairs are stored behind the tabletops.

Cooking: Storing, cooking and preparing food is possible here as is washing up afterwards. Residual water from the drying dishes runs from the drain back into the sink.

Dressing: As well as for clothing, space remains in two additional compartments for general things. The contents are protected from dust and light.

Washing: In addition to the usual elements of a sanitary facility there is space here for drying clothes and storing medicaments.

The utensil wall has plug-in holes in a 125-mm pattern. Four modules can be variably placed there: net bags, stretch elastics, hooks and consoles. Here the articles of daily use of the six living areas are visibly stored. Plug-in eyelets repeat the colour code. Elements linking the panels fold down as handles and steps. Difficult to reach things are made accessible.



WHAT ELSE IS THERE TO SAY?

The conclusion of three months of microloft: living on 16 m² made of Duropal HPL is pretty demanding – but the sweat and stress were worth it: "The intensive involvement and good cooperation have produced a positive stress. Thanks to the small teams of two a really good momentum developed," sums up student Judith Kernt.

With regard to Professor Klaus Michel – he was proved right: "The motoric function of the hand fires the imagination – that is the motto of all my design projects" – and after three months in the microloft the six young designers really were fired up: a successfully completed project and a satisfied prof. What else is there to say? Out of the "microcosm" and into the well-earned semester break!

Info: www.burg-halle.de/microloft



CONCEPT 2:

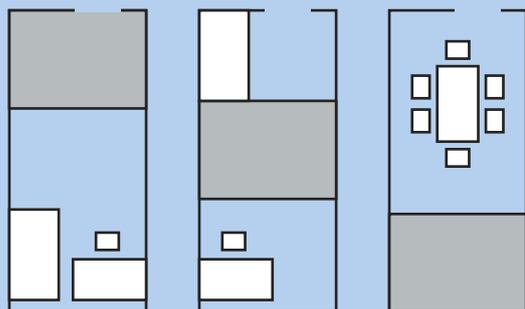
FORWARDS

Forwards is a moveable room within a room. All living elements are integrated into a block on castors, which turns the larger space into zones. Undocking and setting up make the room playable in variable scenarios.

Forwards is a compact unit. It contains all the elements of living: kitchen, bathroom and storage room are fixed features. Forwards can be moved around in the superordinate room and determines the living area by its location. Thus it becomes possible to create one large room or two separate sub-rooms.

Forwards is a wooden frame construction with translucent wall fillings. Lamps integrated into the frame produce diffuse light.

A broad window seat serves as a storage space and garden.

**Move it my way**

Moving around in all areas: Forwards shifts in the room and shifts the room proportions. Sliding doors separate Forwards from the rest of the room. The room entrance is formed by a slat gateway with sliding door. It is possible to push the whole gateway upwards to open the entire room. The rear end of the room is a large window area that can also be pushed up to open it.

In addition to the fixed usable areas Forwards has flexible elements: two retractable beds and a table bench can be pulled out. A tabletop, two trestles and chairs serve as freely moveable furniture for undocking and setting up. They define the utilisation of the room zones created.



The modular shelf system has additional functions: shelf boards as storage areas, retractable U boxes as bookends or containers, a lamp module as a spotlight or uplight. The power supply is via the shelf rails.

CONCEPT 3:

UNDERCOVER

Undercover highlights the subject of utilisation overlays and varying utilisation densities. Living functions are unusually combined. The split level leads to an open room situation.

Through areas with varying utilisation densities the room is divided into three zones: bathroom and access, cooking and working, living and sleeping.

Access and bathroom form a greatly compromised unit in room height on an installation platform. Depending on the position of the door leaf either the corridor area as a passageway is separated from the toilet or the washing area of the bathroom is divided from the living area. A grate assumes the function of both the clean walking zone and the shower drain. The shower head is embedded flush with the ceiling.

Also located on the platform is the cooking and working area with half-height storage volumes. The living and sleeping area opens the room towards the window. The 43 cm high platform edge provides an ideal seat.

A bench extends the platform at the same level. It can be moved around the whole living area and with its position determines utilisation of the room. It can be a table, seat or divan. The cover panels of the bench have a felt underside – so they can be turned around and used as seat cushions. There are storage compartments in the bench construction.

The bed is pulled out from under the platform. When it is pushed under it serves as a step to the living area.



ARABESQUE WHITE F 7463 VV

CLASSIC MEETS CONTEMPORARY.

More than 300 designs for any design requirement – with classics of timeless beauty to contemporary designs of tomorrow: the design collection by Duropal. Look forward to our great new ideas in the four styles Avantgarde, Spotlight, Sensual Home and First Class – and enjoy the benefits of our design configurator at www.duropal.com.

HPL IS OUR WORLD.

DUROPAL



NOW SENSUOUS –
NOW REPRESENTATIVE: THE
DUROPAL INNOVATIONS

DESIGN IN FOUR GENRES

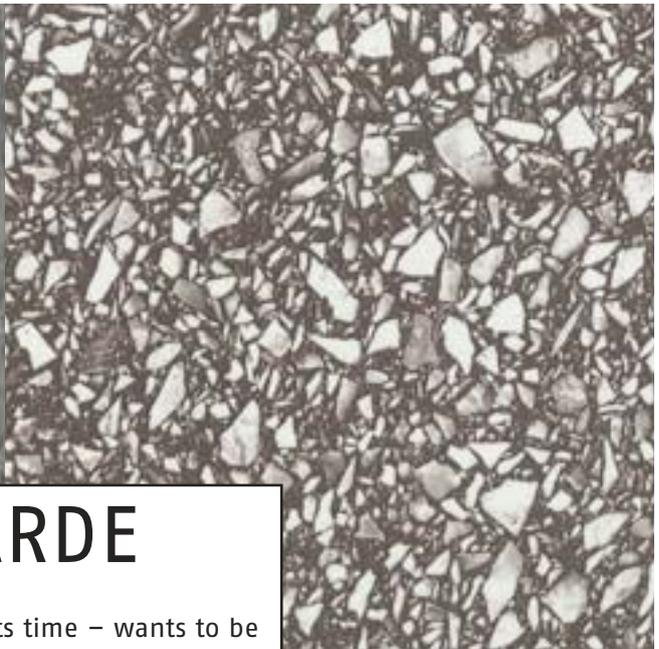
“You can’t just blindly run after every short-term trend when you’re choosing new decors,” says Duropal sales manager Reinhold Hinterhölzl. In endless talks with design and product managers, visions were developed, thought through and in some cases also discarded again. The result of the months of work: the new Duropal decors are largely aligned to four movements: Avant-garde, Spotlight, Sensual Home and First Class. What is important to Hinterhölzl here is: “We deliberately dispensed with an allocation of the decors to specific areas of application. We preferred to keep the boundaries fluid. And this not least because of the different interpretations in different countries.”

The top theme that plays an important role in all four movements is the colour white: “Depending on the interpretation and combination, white can now be found everywhere. Thus white’s effect is now representative, now elegant, now sensual.”





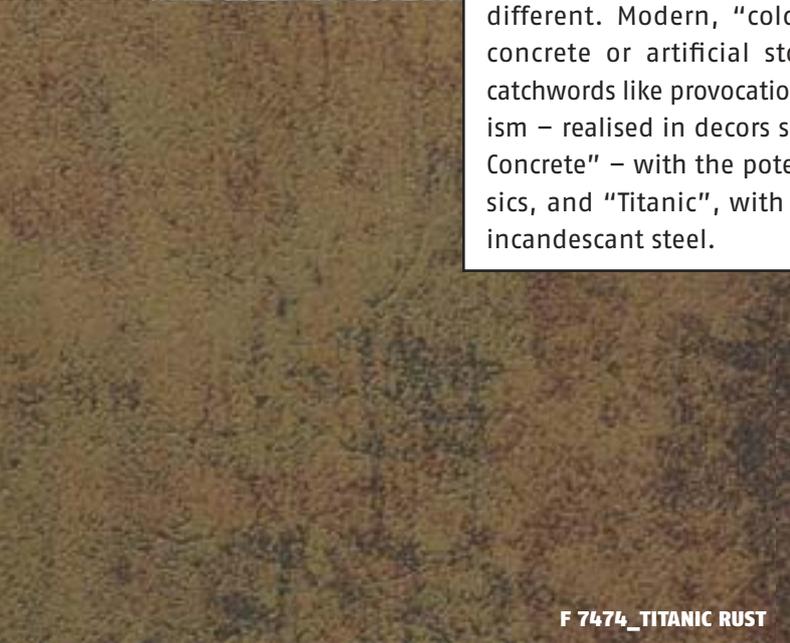
R 5808_LOFT CONCRETE



R 6488_CONCRETE

AVANTGARDE

Avantgarde is ahead of its time – wants to be different. Modern, “cold” materials such as concrete or artificial stone are linked with catchwords like provocation, perfection and purism – realised in decors such as “Tula” or “Loft Concrete” – with the potential to become classics, and “Titanic”, with the optics of rusty or incandescent steel.



F 7474_TITANIC RUST



R 5693_ZEBRANO



F 7475_TITANIC BLUE

F 7462_ARABESQUE BLACK

R 5809_ARTWOOD

F 7463_ARABESQUE WHITE

U 1675_CYCLAM

SPOTLIGHT

Spotlight is characterised by fashion, lifestyle and high-tech. The result is courageous colouring tones and contrasts. The foundation is provided, for example, by the ornaments of the decor "Arabesque" or the "Eco Touch" in the design series "Artwood". Neutral and at the same time perfectly combinable is the decor series "Cinema" with "Clark", "Humphrey", "Audrey" or "Marilyn", with which Duropal recalls the great film classics of the Sixties. By contrast Spotlight presents itself as young and hip with the plain colour "Cyclam".

F 7941_MARILYN

F 7940_HUMPHREY

R 4866_CLEAR ARAGON WALNUT

R 5638_BROWN PLUM BUTCHERBLOCK

F 7931_CYCLAM PLAYGROUND

F 7463_ARABESQUE WHITE

R 5641_LIGHT MIRABELLE

SENSUAL HOME

Sensual Home is characterised by a sense of well-being and many positive memories. Here people show themselves as they really are – straightforward and unpretentious. Duropal achieves this with delicate pastel shades such as “Geranium”, “Thistle” or “Plum” that are harmoniously combined with natural woods such as “Aurora Apple”. With its playful, fine drawings “Playground” really is a playground in the truest sense of the word – ideal for design-oriented customers. In contrast, “San Marco” is more country house style, matching the mosaic theme with an appearance of many coloured little stones. The woods are expressive and natural, with interesting colour contrasts, such as “Plum Butcherblock”.

R 6501_GREY SAN MARCO

R 4867_ARAGON WALNUT

R 5642_DARK MIRABELLE

R 5241_LIGHT ONTARIO MAPLE

FIRST CLASS

First Class stands for things like values, a sense of style and exclusivity. The particular ambience or building, and at the same time each individual piece, are set in scene. This can be achieved simply and elegantly with "Aragon Walnut" or luxuriously and glamorously with "Cava". "Light Olive Tuscany" stands more for the Mediterranean ambience, while "Indian Apple" brings an exotic note into play. Duropal demonstrates maximum exclusivity with "Tropical Black". Thanks to its coloured inclusions the spectacular reproduction of an exotic stone is ideally combinable with light timbers.



R 5619_LIGHT OLIVE TUSCANY

R 6498_TROPICAL BLACK



Designer Rolf Warda

"ULTIMATELY YOU ARE
ALWAYS TRYING TO TOUCH
YOUR COUNTERPART'S
FEELINGS."



"PURE, COLD WHITE IS ONCE AGAIN DEVELOPING ITS OWN AESTHETICS"

Designer Rolf Warda
on current trends
in the world of decors
and his picture of the
Duropal brand

"That's not Duropal," says Rolf Warda and looks critically over the thin rim of his glasses at the decor pattern in his hand. Now it's clear: this decor won't be included in the new Duropal range that the 51-year-old graduate designer has intensively cooperated on. In an interview with "HPL World" Warda reveals how you track down trends and transfer them to the world of decors.

Mr Warda, what is the main component of your daily work?

First and foremost we observe the changes in society and from them deduce the changes in the values and moral concepts of individual user groups. From this basis we try to work out how these groups can be reached in their emotionality. No matter whether we are developing new products or corporate communications: ultimately you are always trying to touch your counterpart's feelings.

Is it only about decor designs here?

With regard to my origins the subject of decor is certainly a focal point, whereby over the course of time pure decor has of course been complemented by surface texture and materiality. Today we are materials specialists and consult in this function. We also deal with the overall design of rooms. Also with the entire field of interior design and architecture – right up to the planning of entire urban areas in terms of colour, light and orientation.

How did the cooperation between yourself and Duropal come about?

I grew up in this company. I started here in '88 as design manager. When the brand was integrated into Pfeleiderer I became Head of Product Development for the whole Pfeleiderer Group. I did that for four-and-a-half years and then joined one of the biggest suppliers in this industry, where I was Design Manager for seven years. Through the self-employment that followed I once again came into closer contact with Duropal.



"I SEE DUROPAL'S QUALITIES BOTH IN THE HIGH PRODUCT QUALITY AND ALSO IN A DESIGN LEADERSHIP ROLE."

What is the fascination for you about designing rooms?

The great demand. Particularly in Germany, but also in other countries of the western world rooms are very much designed according to their functionality. At least in the private sphere things look a little more emotional here and there, but when I go into a business, a car dealership or an office building there are enough starting points where you can still do a great deal for people. For me it is very important what accompanies us as people: there's the skin first, next is clothing and then already come the surface textures in the room. We perceive the latter not only visually, but also haptically. For these reasons we can't put enough emphasis on the design of surface textures.

What does that mean for the Duropal brand?

In the market Duropal stood and stands for high quality and durability. But no designer out there decides on a surface just because it is durable. Rather, he wants to take up the trend or even create the trend himself with his way of designing. Furthermore, the trend should still be up to date when the designer comes back into the building five or ten years later. I therefore see Duropal's qualities both in the high product quality and also in a design leadership role. Though not in an area where only fashion, short life cycles and superficial effects count. Rather it is a matter of developing a feeling for where trends are beginning to appear that have longevity. Looking back it is always easy to say: "those were the Eighties, the Seventies or the Fifties". A large part of our contribution lies simply in knowing the comprehensive values, ideas and sentiments of the present and, building on these, presenting the correct conclusions for new decor and material worlds. We can't see into the future either. But again and again we manage to

develop the right feel for trends at just the right time ...

So in the field of decor your sense for durable trends is decisive. Are there any current examples that await us at the next trade shows?

Yes, for example today we have a very high degree of colourfulness in the plain colour range. Although orange-green as the most important colour combination from the Seventies has accompanied us for a number of years, right until the present these colours have continued to change. Then there are completely new colour combinations of magenta and cyclamen. As a result, today we are experiencing plain colours with high-gloss surface textures and strong colour contrasts as well. Another major element of significance we see for the plain colour area is pure, cold white. Everyone who has an iPod or an Apple computer at home knows that white is again developing its own aesthetics, but also that white must be very expressive, very elegant and luxurious. In other words it is enhanced with lots of chrome, Swarovski stones or similar. With timbers the trend was determined years ago by exotic timbers such as rosewood or teak, which, however – at least for the avant-garde – are just reaching their zenith. Now more decorative timbers are coming into fashion, such as the very lively wood-grains, which are also very rich in contrast and colour. A new trend that we want to play a part in introducing tends towards the natural timbers. By natural we mean that the surfaces are untreated and the archetypes are again preferably native timbers. So by all means an oak again or by all means a maple. What is important above all is the character of solid wood from which only the best pieces are taken. This trend is still really yet to come, but today already we are taking first steps to set the course.

You said that fashion is too quick-lived. From which areas then will the trends for the decor world of tomorrow come?

As a matter of fact it is difficult to draw major inspiration from fashion. When I just think back to the latest fashion show in Paris: Chanel shows really severe black with tight silhouettes. The next designer shows "Madame Pompadour" with thick Asian flowers. An important starting point on the other hand is that the trends are coming strongly from architecture and the new materials being used there. We used to have a really strong purism that, while giving us certainty, around 1999 threw up the question: which way will it go after the turn of the millennium? In 2002/2003 this purism no longer offered any inspiration. So we oriented ourselves to the opposite. We went through the antique shops, palaces and exhibitions of the furniture suppliers and looked at baroque and rococo shapes. We adapted these and introduced them into the purism like kitsch. Out of this developed an important movement, whereby, however, I see its zenith being reached again after 2007/2008.

What does a designer do when he recognises a durable trend, but doesn't like it? To put it another way: how dangerous is it in your occupation to have your own taste?

"A NEW TREND THAT WE WANT TO PLAY A PART IN INTRODUCING TENDS TOWARDS THE NATURAL TIMBERS."

That depends on the task. There are designers who are only paid for their own taste. If I have a Philippe Starck, I'm paying for his

signature and would be disappointed if it were not Philippe Starck. There are other designers who admit being the extended arm of the client. In that case your own taste takes a back seat now and then ...

If this question is directed at me personally, I see myself today as a design manager. I learnt very early that I can't design everything, but that I don't have to design everything. It is much more important to know what design suits the customer and the market. Nevertheless, my personality is such that I tend to be the one who goes on the offensive and looks for tomorrow's trend, rather than someone who is satisfied with being a fast second.

Is your work at Duropal already done with the selection of the decors?

“WE WON’T HAVE A RANGE THAT IS OUT OF TOUCH. THE CUSTOMER WILL NOTICE THAT THE ZEITGEIST IS IN IT.”

I look at it this way: my job here shouldn't be done when we have a new range. It should be done when we have a strong sales team who know why we have these colours, why the

range looks the way it does, and who can go out into the market strengthened by their background knowledge.

Can you give us a brief insight into the new Duropal range?

Only this much: the customer will notice that the zeitgeist is in it. That's also why it is so important to me that we don't have a static Duropal range, but rather that we can and will update again and again in agreed cycles.

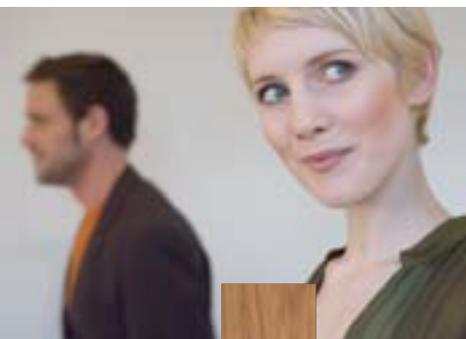
In closing, a very personal question: how does the designer Warda design at home?

Personally I prefer an empty room in which I use pleasant colours, surface textures and art to create various points that the eye can wander across. I don't choose things that are very trendy. I do enjoy it, however, when my wife introduces fashionable accessories to the decoration. But for me an empty room is more the kind of room I feel at ease in. Whereby emptiness has nothing to do with coldness or echo, but rather with the free space I like to have.





DID YOU KNOW, THAT ...



... Duropal produces nearly 20 million m² of HPL and HPL Solid a year? *This is about equal to the total area of Basle (22.8 km²), the third largest city in Switzerland.*

... Duropal manufactures around 1.2 million HPL elements a year? *Placed next to each other this is the same as the distance from Arnsberg to New York.*

... Duropal develops and makes melamine and phenolic resin itself for its own production as well as for other Pfei-derer production locations?

... Duropal has a range of around 40,000 different products?

... Duropal quality is even appreciated at the other end of the world, in Australia?

... Duropal is one of the pioneers of postforming technology? *For instance, with postforming radii of 2.5 mm with an HPL thickness of 0.5 mm the limits of physics were redefined. Previously the postforming formula: bending radius = 10x thickness of the laminate was valid.*

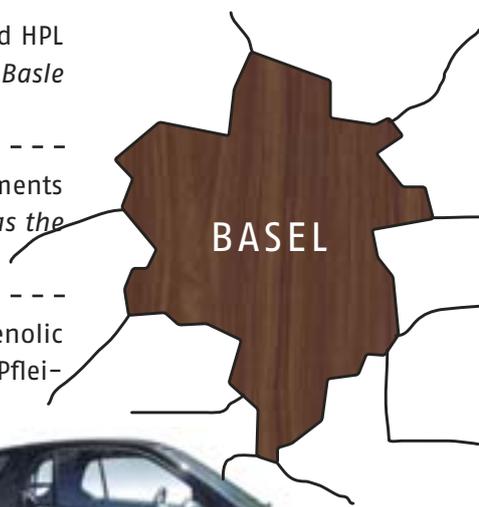
... on a corresponding HPL surface Duropal's proprietary development microPLUS® kills at least 99 per cent of bacteria within 24 hours?

... in the USA in 1939 you had to put a respectable sum of US\$40 on the table for a pound of melamine resin?

... the Duropal plant is located on the edge of the Arnsberg Forest nature park, the local recreation area for the Ruhr region?

... Arnsberg together with the surrounding countryside offers plenty of places of interest such as the Classicism Quarter with the Neumarkt (New Market), Castle Hill or the provost church of St Lawrence?

(Info and pictures: www.arnsberg.de)



DUROPAL





**FOR CENTURIES MAN HAS PUZZLED OVER WHAT IT REALLY IS – HAPPINESS.
FIRST EVERY ONE OF US THINKS OF THE THINGS THAT ARE FUN.
BUT WE ALSO KNOW THAT IT CAN BE MUCH MORE: DOMESTIC HAPPINESS,
VOCATIONAL FULFILMENT, SPIRITUALITY, SELF-DETERMINATION,
HEDONISM OR “EVEN JUST” HUMILITY.**

The Austrian author Arthur Schnitzler defines happiness as “everything that shakes up the soul”. And research also keeps finding new answers.

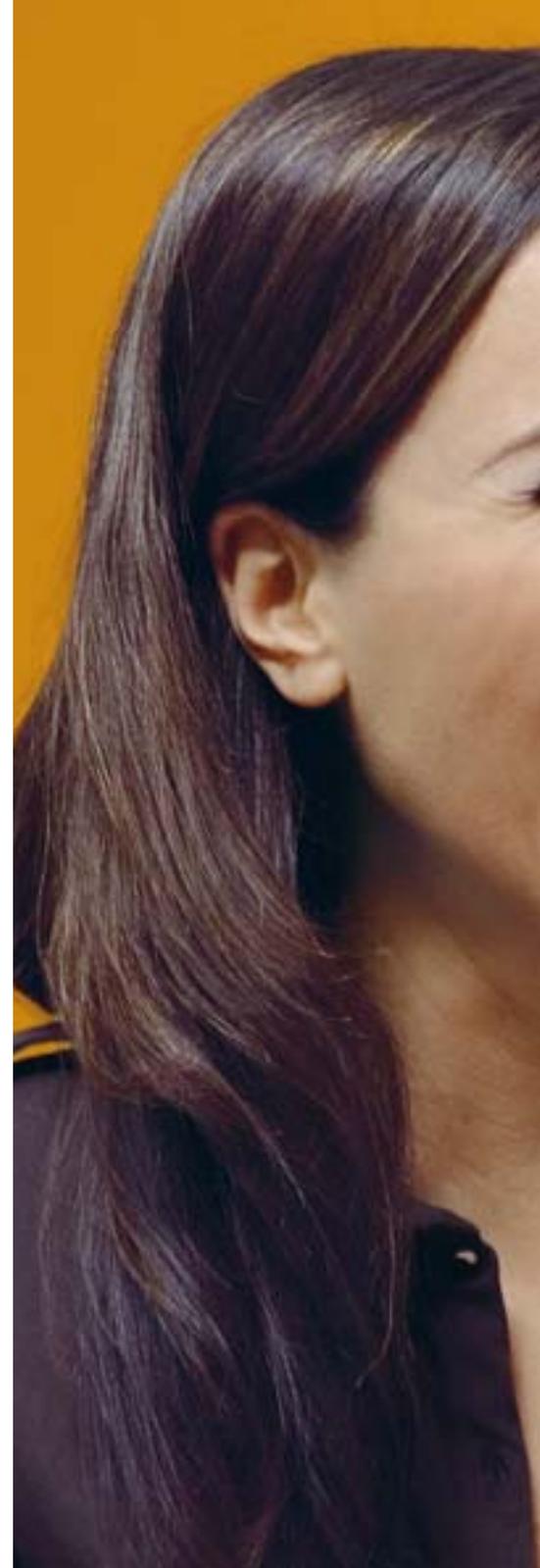
For Gregory Berns, a behavioural scientist in the USA, our brain is programmed to curiosity and challenge. Neither the ever unchanging wallpaper nor the frequently visited favourite pub can keep us happy in the long term, he says; while we long for predictability, our brain is structured in such a way that it has a natural need for change.

At first it seems strange that change could make you happy, but Dr L. Oberascher comments: “Because at least until evolutionary ‘maturity’ as homo sapiens, creatures have largely adapted themselves to the environment and not the other way round. The ability to do so has proved to be a survival advantage and has taken root accordingly in the biological programme of all species. In the case of humans this is expressed as openness, curiosity and an active need to explore anything new. Such an attitude to the environment increases the chances of discovering useful things in its rich offering and making them your own.”

In a nutshell: in evolutionary history only the species that was interested in the new, in change, had a chance of surviving. Being – and staying alive – (surviving) results in HAPPINESS.

That is certainly only one aspect of happiness or being happy, because for example the “domestic happiness” anchored in most cultures contains a second, important clue. Dr L. Oberascher comments again: “Exploration and ‘conquest’ certainly cost energy and involve dangers, sometimes even to a life-threatening degree. On the other hand it therefore also appears sensible in evolutionary terms to ‘rationalise’ the adaptive process, to minimise energy expenditure and avoid dangers: maintaining what is proven, holding on to the familiar, advancing into the new from a secure, nourishing, restorative, regenerative base and returning – enriched – precisely there again.”

Holding on to what is proven and familiar, returning to the family, the clan, the community – the development of collective values and preferences – make HAPPYness. Our brain thus seems to be programmed on the



one hand to curiosity and challenge, on the other hand to maintaining and holding on. And because curiosity and challenge, i.e. the new and the unknown, that which lies in the future, cost energy and in the worst case involve dangers, trends are so important to us.

THE NEW MAKES US HAPPY

OR WHY TRENDS ARE SO IMPORTANT TO US!

*Perspectives and views from
designer Rolf Warda*



These days the term "trend" appears inflated and often seems worn out. But just a glance at the definition of this term confirms how important trends are, for they make clear this so human internal need for security, HAPPINESS, followed by "sensing a little of the future". Wikipedia puts it in a nutshell: a trend (from Middle High German: trendeln – spin, roll downwards) is a statistically recordable underlying tendency, the direction of a development.

The direction of a development!

Anyone who can claim to know the direction can (help) shape the future, is prepared for it. He is in a HAPPY position. Yet, as already mentioned above, trends often appear inflationary. In particular trend forecasts can only be credibly understandable if they are also really relevant to a target group.

When do recognised tendencies become a trend?

For Duropal this is first of all the gathering of all new tendencies in architecture and interiors, recognising new shared values and changing consumer preferences. Tendencies only become a trend for Duropal when they offer a recognisable "long-term potential". Interior design is not fashion design, is not design for a season.

Trends cause HAPPYness if they are relevant for the focused target groups, and trend forecasts only if they constantly build on and meaningfully add to what IS, what already exists.

The new makes us HAPPY if trends are important to us!

Beautiful

ALONE IS NOT ENOUGH

The decor selection can be really large and the product quality really good: but with these alone the market is not satisfied. In decorative interior fitting there is a loud call for innovations and functions – the product must be able to do more. A creative playground on which Duropol's developers are only too pleased to run riot and which they do extremely successfully. A glance inside the Arnsberg "ideas workshop" confirms it: customers can look forward to highlights such as the antibacterial surface "Duropol microPLUS®", the deceptively genuine stone surface "Crystal Stone" and worktops that offer real added value.



FROM EVOLUTION IN SURFACE TEXTURE DEVELOPMENT:

“Crystal Stone”

THE NAME IS THE PROGRAMME



At a distance it looks like a decor pattern like any other. At the very latest when Peter Röhr strokes so gently across it with his finger and his eyes look as happy as if he had just discovered the treasure of Silver Lake, you notice that it isn't.

The comparison fits, because what the product manager has before him is the new Duropal surface texture “Crystal Stone”. What is so special about it: depending on the angle you look at it, the surface sparkles like a jewel, with dullness and brightness alternating with every new angle. “For me it is evolution in surface texture development,” says Röhr. “Crystal Stone” was developed especially for stone reproductions, but is also suited for combination with plain colour decors. “As a result stone decors look genuine. But better,” the product manager says, underlining the uneven structure. It is important to him that the little hills and valleys are not too extreme. “If the structure is too deep it can happen for example on a kitchen worktop that dirt gets caught. That would be fatal.”

On the other hand the structure must nevertheless be clearly tangible: “Thus stone decors look absolutely natural and your fingers experience a feeling of liveliness.” Röhr is especially proud of this: “Doing the same as everyone else is boring. We want to put more life into our products.”

Röhr und co. show themselves to be extremely creative not only in product development but also in naming products. In the case of the new surface texture, brainstorming was done to come up with various key terms and then they “just went crazy”. Finally “Crystal Stone” was born, “that just describes it best”. Names such as “Frozen Ice” or “Shining Star” were clearly beaten.



01_ Brainstorming at Duropal 02_ Interplay between matt and bright effects



01_

02_

STABILISING LAYER AND GROSS DENSITY MAKE THE DIFFERENCE:

THE ADDED-VALUE WORKTOP

If you have ever chosen a worktop from many others at a specialist retailer you'll know: at first glance the differences can only be seen in decor, surface texture, profile and quality of the laminate. For the developers at Duropal such criteria are really "only standard or purely a matter of taste". When, however, it is a matter of the functionality of worktops, tastes differ.

"A worktop must be capable of more than just being robust and looking good. It must offer decisive added value", says product manager Peter Röhr. For this reason they eagerly tinker about a lot in Arnsberg. The basis for this are situations that occur almost daily in millions of households.

Example number one: The cup tips over and the freshly brewed coffee spills on the worktop. Now liquid can run over the edge into the cupboards below. "Not with a Duropal worktop," says Röhr, highlighting the water drip rail developed by the company: "This is currently unique on the market whereby customers can be doubly glad: on the one hand the sealing ensures a secure connection between worktop decor and reverse foil. On the other hand the special drip rail makes every drop fall down straight, so the drawer remains dry."

Example number two: When the dish washer is running water or steam comes into contact with the

underside of the worktop. With a permeable coating moisture can get into the chipboard and cause moisture expansion and swelling. As a result mould can become a problem. For this reason a special reverse foil was developed at Duropal that impressively demonstrates its qualities in a simple experiment: water is brought to the boil in a pot and the pot covered so that only a small opening remains.

The worktop is placed over this opening. The result: on Duropal worktops the impermeable coating of the underside keeps its promise:

it is a matter of new design aspects. "In particular when we are talking about kitchens the thick worktop is totally in line with the trend as a design element. Here it is all about new optics that are underlined by the materiality of the board." The only problem: with chipboard thicknesses of 49 or even 58 mm the weight of the board is so great that this can be only installed under difficult conditions. The solution: a new, reduced specific density.

With all this drive for development the question of the next worktop innovation comes up. With a



"This means you can completely dispense with the usual accessory products such as aluminium cover foils," promises Röhr. According to the product manager, technical know-how is also called for when

smile Röhr refuses to be drawn on the subject at this stage: "What's certain is that it will come."

AD

ORANGE U 1667 MP



BACTERIA MEET HYGIENE.

Perfect for all areas where hygiene plays a key role: Duropal microPLUS®, the new antibacterial surface with integrated hygiene protection. Genuine added value for interior construction – certified quality. To find out more about how Duropal microPLUS® works please go to www.duropal.com.

HPL IS OUR WORLD.

DUROPAL



THREE QUESTIONS FOR DR KURT NONNINGER



KEY ISSUE: THE NEW ANTI- BACTERIAL SURFACE DUROPAL microPLUS®

FOR AROUND 15 MONTHS A TEAM OF EXPERTS WORKED ON THE DEVELOPMENT OF THE ANTIBACTERIAL SURFACE DUROPAL microPLUS®. WITH GREAT SUCCESS, AS THE CERTIFICATES OF THE INDEPENDENT TESTING INSTITUTES FRESENIUS AND ISEGA SHOW. AND OUR THREE QUESTIONS FOR DR KURT NONNINGER, HEAD OF RESEARCH AND DEVELOPMENT AT DUROPAL, SHOW: DUROPAL microPLUS® OFFERS INTERIOR FITTING DECISIVE ADVANTAGES.



01_

02_

01_ Certificate of antibacterial effectiveness – SGS INSTITUT FRESENIUS GmbH

02_ Clearance certificate – ISEGA Forschungs- und Untersuchungsgesellschaft mbH

1

Dr Nonninger, the most important question first: how effective is Duropal microPLUS®?

Currently there are two standards as the basis for scientific evidence: an American one and a Japanese one. Here in Europe the Japanese one seems to be establishing itself. At least that is the opinion of the leading institutes. Here you place four particular test germs on a test surface and after 24 hours you analyse how many of these germs have survived. If these four different bacteria have been killed off you can assume that the entire spectrum of bacteria is thus covered. In our case we kept optimising Duropal microPLUS® until we achieved a germ reduction of 99 per cent, a significant effect.

2

What was your highest priority during development?

Safety for humans. First of all we excluded all substances that could harm humans and kept working on the project until we were able to decide on a bactericidally effective substance that is also used in shampoos, toothpaste and skin creams. From this developed a combination that works technically in production, is effective against germs and is safe for humans. Independent testing institutes have confirmed the latter aspect for us. In addition, tests were carried out with artificial skin sweat. Here we tested whether sweat can extract the substances of Duropal microPLUS® from the surface. Here too the result says: safe. In summary, all test results we have conclude the surface is harmless in contact with the skin and with foodstuffs. In addition it has been proved that the product works on a sustained basis and there are no vapours of any note related to the relevant substances. I am proud of what we have achieved here.

3

Where do you see the main areas of application for Duropal microPLUS®?

First of all quite clearly in hospitals. Generally, however, also in all other buildings with high levels of visitor traffic where bacteria can quickly spread. There too it is important that the concentration of bacteria that can be transferred to a surface e.g. by touch is considerably reduced. Or just think of wellness areas and swimming pools – and of the changing rooms there. Here Duropal microPLUS® effectively prevents the spread of bacteria. I think that this is a positive thing overall for all involved.

EXPERT OPINION

Excerpts from the Certificate of Antibacterial Effectiveness of Duropal microPLUS® – SGS INSTITUT FRESENIUS GmbH, Taunusstein:

“In all microbiological analyses (in accordance with JIS Z 2801) a strong antibacterial effect was achieved with Duropal microPLUS®, i.e. at least 99 per cent of the bacteria were killed off within 24 hours. In the relevant test variations carried out, testing of the long-term effect of antibacterially fitted Duropal-microPLUS® products produced exclusively positive results. Duropal microPLUS® surfaces were subjected to maximum damage in simulation of the life cycle. The antibacterial effectiveness was retained completely.”

Excerpt from the Clearance Certificate for Duropal microPLUS® – ISEGA Forschungs- und Untersuchungsgesellschaft mbH, Aschaffenburg:

“According to the test material provided the product Duropal microPLUS® can therefore be safely used as a kitchen surface on which food is handled and processed as well as in sanitary facilities.”





LIFE OF A WORKTOP

A DUROPAL HAS MORE TO TELL ...

IT WAS THE SUMMER OF 1978. A CRAZY TIME. YOU DIDN'T KNOW WHAT WAS FUNNIER: THE FASHION OR THE HAIRSTYLES. I WAS VERY YOUNG, LOOKED TERRIFIC AND WAS PRETTY TOUGH.

Fate was kind to me. It was love at first sight back then when the Miller family decided to accept me into their kitchen as a permanent guest. I couldn't have wished for a more perfect place.

I had the first highlight of the day in the mornings when the sun's first rays shone through the kitchen window and the many small "Pril" flower stickers on the fridge bloomed in their full colourfulness. With every breakfast things always got a little hectic at first. Reg-

ular as clockwork half of Papa Miller's coffee or Little Peter's bitten off piece of bread and honey landed on me. It didn't affect my beauty in any way, especially as Mama Miller almost always lovingly wiped away the traces immediately.

When she did it, she always put the same plastic bottle before my nose. On it a sun-tanned, brawny and always grinning man. He has remained my best mate to this day, even if I sometimes had the impression that Mama Miller liked to take a little too



much from his bottle. At least afterwards I could always say I smelt like a meadow in spring.

But I always liked lunchtime best, which – admittedly – also had something to do with Mama Miller's cooking. Al-

though I always had to put up with a lot when the onions were cut and the meat tenderised, at the latest when a fine aroma wafted from the cooking pot through the kitchen that made up for everything.

The only intensification of my happiness was always at around 1.15 p.m. First the doorbell rang, then I heard the school bag fly into the corner and not five seconds later she stood before me: the young daughter Lisa, tender 17 at the time, a blond mane, sparkling green eyes and a smile that could bewitch the world. While Mama Miller was still getting the meal ready, Lisa always stood before me, jiggled from one leg to the other, talked about her latest heart-throb – and in doing so fleetingly stroked me with her fingertips.

And it was always in perfect time to the hard rock music droning down to us from Little Peter's room. That, by the way, was one of the few idiosyncrasies I really liked about Little Peter.

With Lisa it was always perfect. Well, except for that one time, and I really resented her for that: it was her 18th birthday. Papa and Mama Miller had packed up Little Peter and gone off on a hiking tour for two days so that Lisa and her friends could celebrate undisturbed. I had reckoned with the worst: with chip crumbs,

spilt sparkling wine, blobs of soup. It was to be much worse. I could easily have handled it when Lisa's new boyfriend Tim just jumped onto me to rock away to Alice Cooper's latest hit "No more Mr Nice Guy". But when he then dropped the cigarette end from the corner of his mouth and stubbed it out on me, the fun was over. So far as I was concerned, after a little massage from Lisa, at least on the outside there was no damage to be seen. But five minutes later Tim was on his way home – as Lisa's ex-boyfriend. Yes, that really was a great time back then ...

It was only many years later, 1986 or 1987, that I felt really lousy for the first time. Little Peter now lived in a rocker flat and was about to finish his social education degree. Papa and Mama Miller had just decided to move into a little flat in town from where they could reach everything more conveniently. Instead I had Lisa back, who, with her new husband, who funnily enough was also called Tim, got the house, the kitchen and thus also me. "It's all over", I thought one morning when Tim suggested getting a new kitchen installed. Lisa was immediately all for it, because not only the Pril flowers on the refrigerator had lost much of

their colourfulness over the years.

I had almost come to accept that I would soon end up on the scrap heap when Lisa said the sentence that today still echoes in me like "Come sing a song of joy": "Look, Tim. The kitchen in the brochure goes perfectly with our old worktop". So I was still in the game. And Tim made no effort to talk her out of the idea of a "new kitchen with an old worktop".

Today Lisa and Tim have three children – and I experience the same stories I used to. Man, have I seen hundreds of sponges and

**"I HAD RECKONED WITH THE WORST:
WITH CHIP CRUMBS, SPILT SPARKLING
WINE, BLOBS OF SOUP. IT WAS TO
BE MUCH WORSE."**

kitchen cloths come and go in all those years, deflected knife blades and even survived Mama Miller's old meat hammer. Only the names of my fragrances I no longer understand. Currently the family is thinking it might be time for a new kitchen. And because now they're all really attached to me, they've decided I'm to stay. I can really understand that. I may not be so young any more, but I still look terrific and I'm still as tough as on the first day.



CAN COLOURS SUPPORT THE HEALING PROCESS?



Interior designer Marcus Ruge in an interview on the significance of design and materials when designing hospitals

The wishes of planners and architects with regard to colours and materials are as varied as the demands in interior fitting. Since 2002 interior designers ruge+göllner raumconcept GmbH in Rastede near Oldenburg have dealt with building projects in the health sector. In an interview with "HPL World", director and interior designer Marcus Ruge reveals what has to be considered when designing a hospital.



Mr Ruge, what is the challenge in designing a hospital in comparison to other projects?

The complexity of the drafting task. Areas with all different kinds of functions and requirements must be realised on the basis of one overall concept. As interior designers we must develop a balanced relationship between form and function so that, on the one hand, structurally the foundations for efficient operation of the hospital are ensured and on the other hand, the needs of the patients and their families for a feeling of security are met. In times of increasing competition in the health sector, good design can additionally prove to be a competitive advantage.

Which materials are used with preference in hospitals?

The use of materials is oriented to the particular demands made on them. In furniture construction predominantly HPL and melamine-faced chipboard is used. In order to be able to plan cost-consciously, as broad a range of matching materials as possible is necessary. Materials with the same decor but different properties allow us to optimise the colour and material concepts developed. Thanks to the colour match from Duropal and wo-dego it is possible, with the same optics, to choose the type of material according to the use and demands placed on it. Cost-intensive compact boards and HPL flat bonded elements need only be used where necessary.

"HARMONIOUS SURROUNDINGS CONTRIBUTE TO THE PATIENT'S SENSE OF WELLBEING AND COLOURS ARE AN IMPORTANT ASPECT HERE."

In hospitals in particular, don't you have to be particularly knowledgeable about the effect of colours?

Yes! The influence of colours on people is researched and known, but the individual reaction to colours can vary greatly. The patient in hospital is usually in a situation that is very tense for him or her personally and can react to colour in very different ways. Therefore the targeted and sensitive use of it in hospitals in particular is very important.

Which colours are advantageous in hospitals? Or to put it another way: do you believe that certain colours support the healing process of a patient?

One shouldn't look at the effect of colour in isolation. It is known that the sense of well-being has a positive effect on the healing process. Harmonious surroundings contribute to the patient's sense of well-being and colours are an important aspect here. But only interior design in its entirety can thus contribute to the feeling of well-being and thus also to the healing process.

What experience have you gained to date with the brand Duropal in the realisation of your projects?

Duropal is known to us as a quality brand in the HPL sector and has been used by us in all different kinds of projects. Duropal HPL sets itself apart from other board materials with a good product range and aforementioned matching materials.



**BEDROOMS**

by Herlinde Koelbl

250 pages of pictures of bedrooms? That might make some people yawn, but after just a few pages it is obvious: even a single room can be worth such intensive observation. Right across Europe as a guest in bedrooms and with the people who sleep in them, and much more.

**PLASTIC 2. MATERIAL, PRODUCTION, PRODUCTS**

by Chris Lefteri

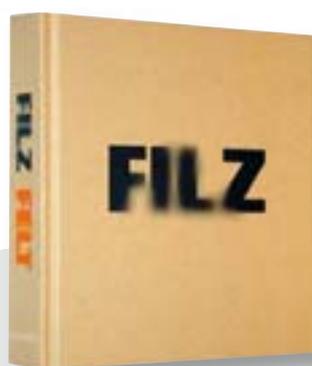
What material are plastic corks made of? What material is used to produce Australian dollar notes? The book gives interesting answers. Informative and humorously arranged reading at once – with examples from design icons such as Ron Arad, Alberto Meda, Marc Newson, Philippe Starck or Droog Design.

**PHAIDON DESIGN****CLASSICS 1-3: VOLUME 1**

by Phaidon Press

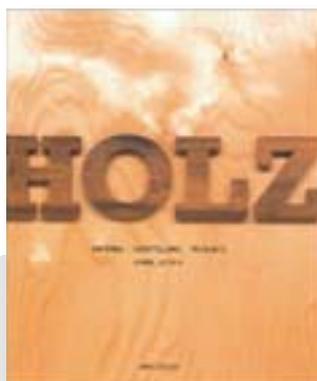
999 chronologically arranged design classics are presented with numerous illustrations and drawings. The associated texts were written by around 50 experts, including journalists, dealers, historians as well as designers, critics and curators. The result: a distinctive experience.

Reading material about derived timber products

**FELT. ART, HANDICRAFTS AND DESIGN**

by Katharina Thomas

Felt is "in". Not only in fashion and design, but also in art felt is encountering great interest. For the first time the publication provides an exciting overview of all current artistic positions.

**WOOD. MATERIAL, PRODUCTION, PRODUCTS**

by Chris Lefteri

Using numerous illustrations the author presents the material wood and its processing techniques. The book is not only about wood as a material for furniture manufacture but also about new areas of use.

**DERIVED TIMBER PRODUCTS MADE EASY**

by Rolf Scheunig

Here you learn everything about the subject of derived timber products. From the origins and manufacture through areas of application to processing – all explained simply and clearly. The author's writing style is not "wooden", but humorously entertaining.

DUROPAL – A BRAND WITH A STORY

How do you do that: establish a brand that manages to successfully exist for over 100 years – despite economic ups and downs, internal restructuring and changes? A lot of perseverance and persistence is definitely needed. And courage. And creativity. And of course the right touch for the business. The Duropal brand was created by such a right touch: that of Paul Wrede.



From 1880 onwards timber was the basis for the Wrede family's field of activity – and remained so until 1958. That year marked a fundamental turning point in the company's history: it was when Paul Wrede decided to give up wood processing and only manufacture decorative

laminates. In particular he turned his attention to where the then customary plastic direct pressure laminating for prefabricated doors showed deficits. In contrast, at Wrede doors were to get surfaces made of decorative laminates. Paul Wrede intensively investigated the

material and quickly recognised the versatile possibilities – the success story of Duropal-Werk Eberhard Wrede GmbH & Co. KG was ready to be written: in 1958 HPL production began under the name of Duropal.

CHRONOLOGY OF THE DUROPAL PROMOTIONAL LITERATURE



1958



OLD STANDARDS COME UNSTUCK

In 1963 the Duropal factory was the first German company to produce decorative laminates in the format 352 x 122 cm – such a large format had previously not been offered on the global market.

In 1967 Heinz Schute, a chemist at Duropal, presented the first industrial-scale application of urea resins for gluing HPL to chipboard – this later became the recognised quality standard.

WORLD-CLASS TEXTURE

The HPL panels produced exclusively with glossy and semi-gloss finish until 1968 were not always up to the demands of rough usage. Duropal's research and development therefore set themselves the task: "Increase scratch resistance". This was the birth of the structured HPL surface texture OX. Within just a

few years it became the recognised hard-wearing surface for kitchen worktops and also the starting point for further developments in the direction of design.

DUROPAL MAKES THE LOCAL LABOUR MARKET SHINE

In 1969 Duropal was already considered the largest laminate exporter in the Federal Republic, reason enough to open a new factory: the new production site was built in Arnsberg-Bruchhausen. In the late Sixties Bruchhausen was an economically weak municipality – the plant opening gave it a new lease of life. The citizens did a lot to get Duropal to relocate. They were supported by the economic development agency of Arnsberg county.

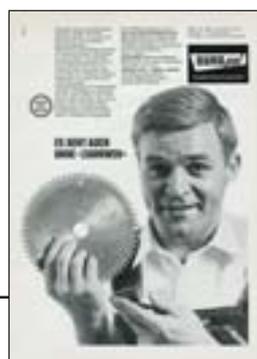
Left page: A man with the right touch for the business: Duropal founder Paul Wrede **01_** Gentle haptics: the new Duropal surface texture "Diamond" **02_** New lease of life for Bruchhausen: the new Duropal plant opens in 1969



01_



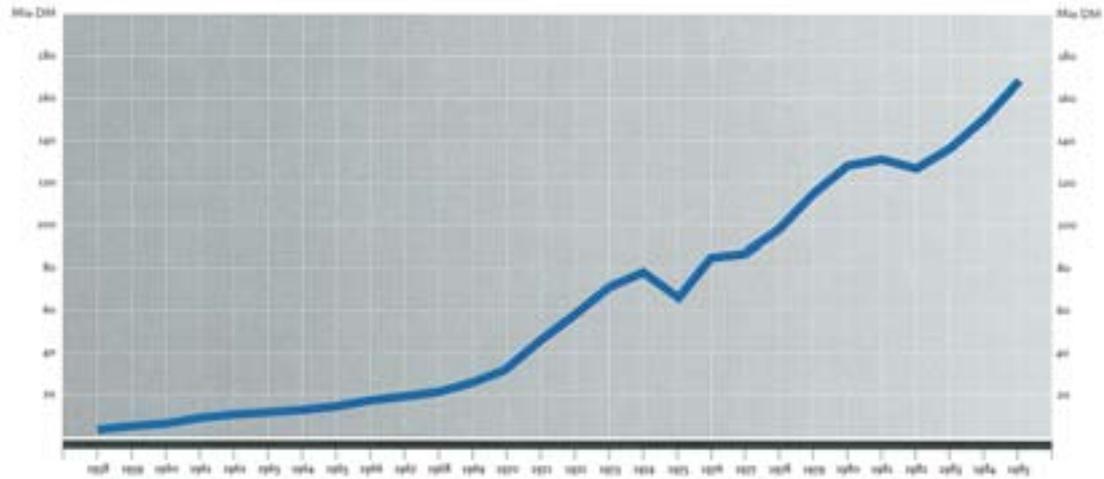
02_



1970



Right_ Sales of Duropal from 1958 to 1985 **Bottom_** 5,300 t of press capacity for 6 million m² of laminates a year: the new press at the Bruchhausen plant **Right page_** The comeback in 2007: Duropal is once again an autonomous brand

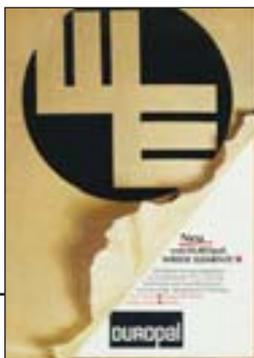


FULL THROTTLE ON THE ROAD TO SUCCESS

In 1970 Duropal added 410-cm-long laminates that were especially suitable for kitchen worktops. At this time Duropal's market share in kitchen worktops was already considerably over the 60 per cent mark. With the format 410x122 cm and new texture developments Duropal had ensured its reputation as a creative and innovative company. The following years were characterised by new surface textures, structures and designs. Sales grew constantly.

AMBITIOUS GOALS THE RECIPE FOR SUCCESS

In 1973 the fourth Duropal laminate press was built: 35 daylight, 5,300 t press capacity, 6 million m² annual production capacity. It was intended to ensure the long-term competitiveness of the plant. Paul Wrede set himself goals others would never have dared to imagine. That was his recipe for success. The same year, however, difficult times began for the German HPL industry and thus for Duropal too. Because of the oil crisis and escalating oil prices as well as new fashion trends on the fitted kitchen



1980



market, demand for HPL panels dropped considerably. The market was hotly contested – but Duropal kept its head above water.

CHANGES AND NEW BEGINNINGS

The year 1986 introduced corporate changes to the company history: Pfeleiderer acquired the majority shareholding in Duropal-Werk Eberhard Wrede GmbH & Co. KG. The new beginning paid off: in 1990 a new HPL press with eleven daylight was built. In 1997 Pfeleiderer acquired the rest of the shares in Duropal.

In 2001 a continuously operating HPL press was built. This state-of-the-art technology ensures the required pressure is achieved for the manufacture

of HPL according to the relevant standards. Now Duropal HPL can also be manufactured in a continuous process. The next entrepreneurial change of course came in 2003: Duropal was reorganised within the group structure – wodego was established as a new brand.

In 2005 the production technology was revamped: systems to rearrange the material flow in HPL production were put into operation and the new PPS system P@PPS was introduced – the goal: to shorten delivery times and stabilise the process chain.

FINALLY: THE COMEBACK!

In 2007 Duropal celebrated a comeback as a brand: within the framework of the restructuring of the derived timber materials

division Pfeleiderer Holzwerkstoffe Duropal GmbH was established as a new entity. With immediate effect sales and distribution are handled in cooperation with the wodego commercial organisation and Pfeleiderer Industrie, also in the export sector with the colleagues of Pfeleiderer Central Sales and the sales and distribution companies in the UK, France and the Netherlands. And because it is well known that a successful comeback is always accompanied by lots of record sales, all that remains to be said at this point is: to be continued ...

DUROPAL
HPL IST UNSERE WELT



1990

2007







HARD AND ATTRACTIVE FACTS FROM THE WORLD OF HIGH-PRESSURE LAMINATES

The following information section of "The World of HPL" contains a detailed overview of the portfolio of Duropal HPL products and designs. Duropal also reveals its strengths in the world of logistics. The main items in the wood materials and decor ranges are available from our distributors and the special stock range in the shortest delivery times. This also applies to the product and colour match, which facilitates matching combinations of decorative panels (DP) and Duropal high-pressure laminates (HPL). The order programme is available to customers for all other design requirements.

PLAIN COLOURS



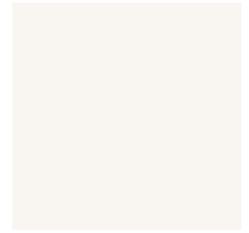
Opaque White
W 400 MP



Crystal White
U 1026 W

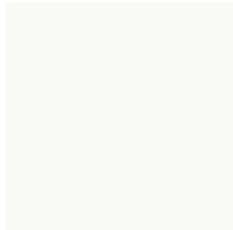


Alpine White
U 1025 W

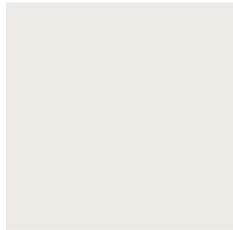


Super White
W 450 MP

Icy White
U 1027 HG



White
W 220 MP



Pastel Grey
U 1189 W



Silver Grey
U 1131 W



Beige Grey
U 1331 W



Kashmir Beige
U 1305 MP



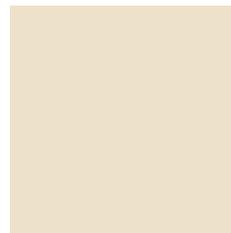
Grey White
U 1010 MP



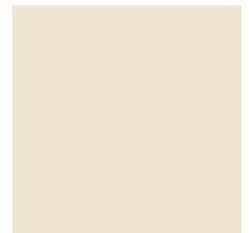
Volcanic White
U 1011 W



Magnolia White
U 1379 MP



Jasmine
U 1358 MP



Cream
U 1357 MP



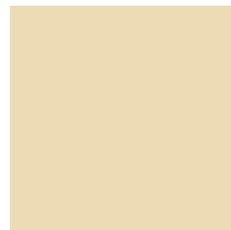
Ivory White
U 1303 W



Magnolia
U 1306 MP



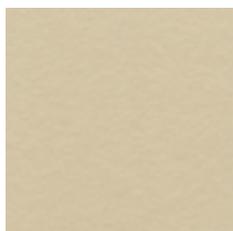
Came
U 1365 MP



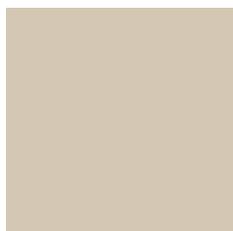
Medium Beige
U 1313 MP



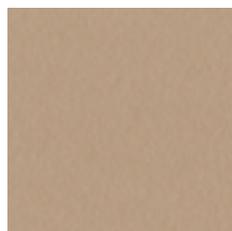
Ivory Yellow
U 1591 W



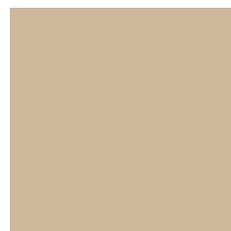
Creme
U 1316 MP



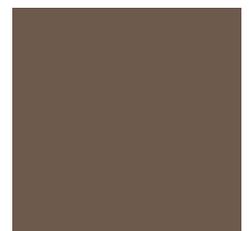
Sand Greige
U 1343 W



Caramel
U 1349 MP



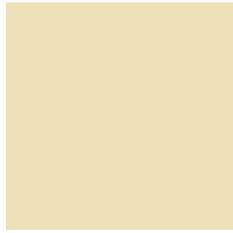
Bahama Beige
U 1361 MP



Cocoa
U 1961 MP



Pastel Yellow
U 1559 MP



Yellow
U 1572 MP



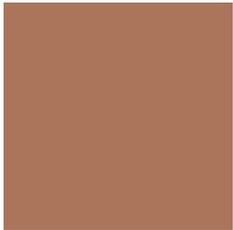
Velvet Yellow
U 1574 MP



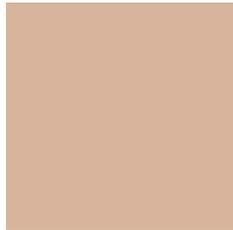
Egg yolk Yellow
U 1579 MP



Orange
U 1667 MP



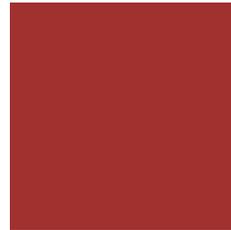
Terra
U 1690 W



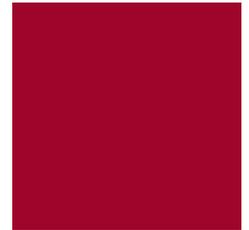
Apricot
U 1677 MP



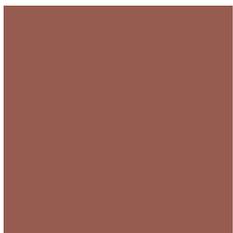
Geranium Red
U 1681 W



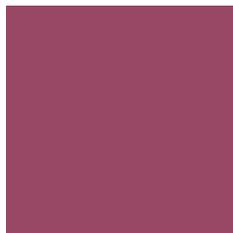
Brick Red
U 1697 W



Carmine Red
U 1669 MP



Velvet Red
U 1699 MP



Cyclam
U 1675 MP



Ruby Red
U 1691 W



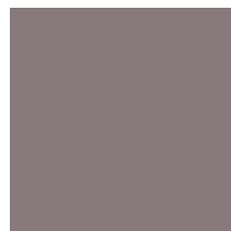
Wine Red
U 1603 W



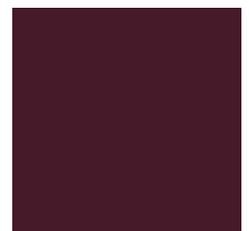
Geranium
U 1676 MP



Thistle
U 1796 MP

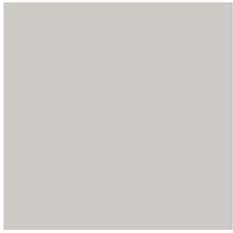


Plum
U 1795 MP



Volcanic Red
U 1601 W

PLAIN COLOURS



Light Grey
U 1188 MP



Montana Grey
U 1109 MP



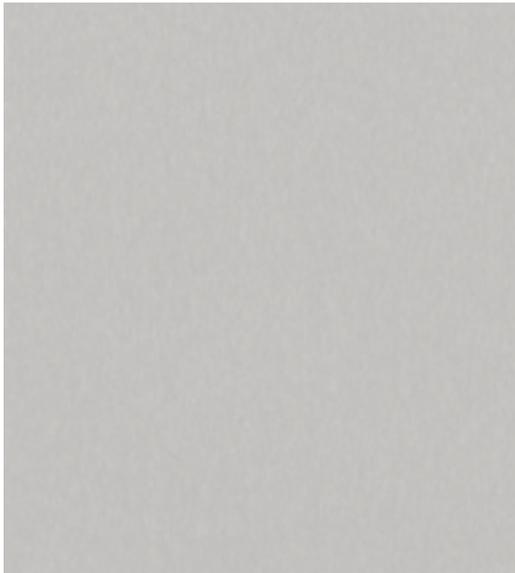
Manhattan
U 1179 MP



Platinum Grey
U 1115 MP



Sand Grey
U 1184 W



Natural Aluminium
M 9500 SM



Stainless Steel Alu
M 9600 SM



Natural brushed Aluminium
M 9510 SM



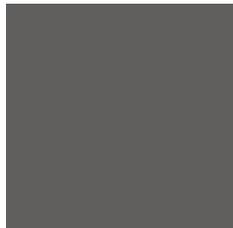
Brushed Stainless Steel
M 9610 SM



Lava
U 1211 MP



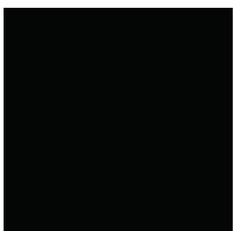
Volcanic Grey
U 1117 MP



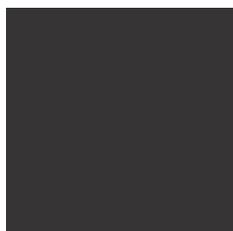
Anthracite
U 1290 MP



Graphite
U 1257 MP



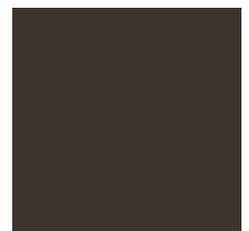
Volcanic Black
U 1200 MP



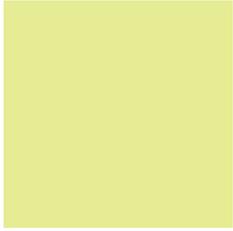
Metallic Black
U 1233 MP



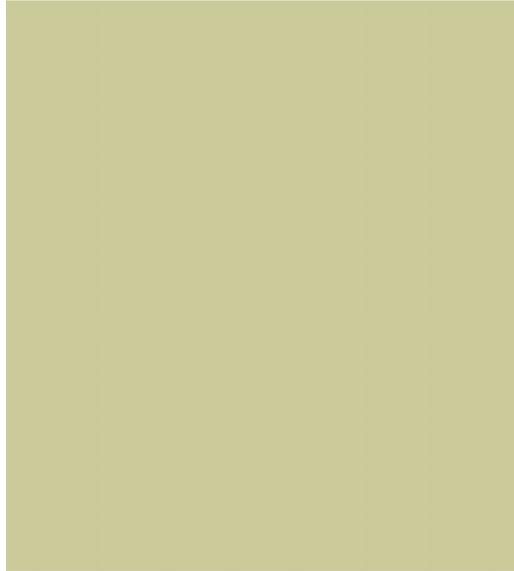
Terrabrown
U 1980 MP



Coffee
U 1982 MP



Lemon
U 1560 W



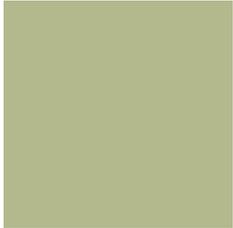
Kiwi
U 1833 MP



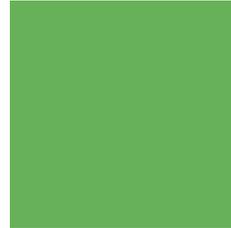
Light Olive
U 1856 MP



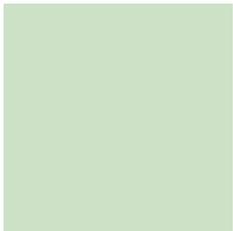
Olive
U 1857 MP



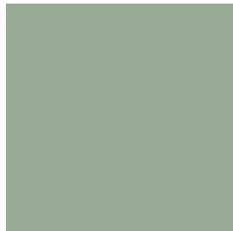
Apple
U 1834 MP



Yellow Green
U 1818 MP



Peppermint
U 1898 MP



Dull Green
U 1896 MP



Blue Green
U 1854 MP



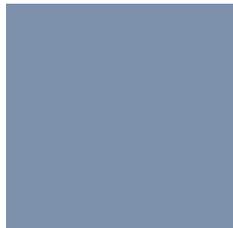
Pine Green
U 1806 MP



Moss Green
U 1825 MP



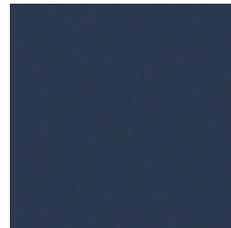
Ice Blue
U 1740 MP



Water Blue
U 1717 MP



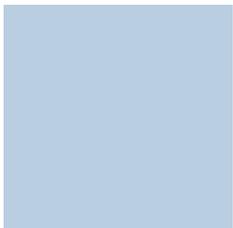
Sky Blue
U 1715 MP



Dark Blue
U 1747 W



Petrol
U 1734 MP



Crystal Blue
U 1739 MP



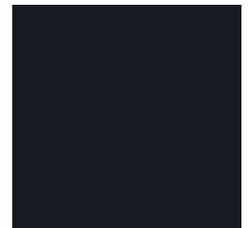
Lavender
U 1711 W



Night Blue
U 1710 MP



Royal Blue
U 1748 MP



Volcanic Blue
U 1701 W

PLAIN COLOURS

Decor no.	Decor name	NCS code (exact match)	Closest NCS code (for colour systems)	RAL	Stock programme			DP 2.655x2.100 mm those marked* also available in 3.200x2.050 mm thickness as quoted	CM	
					HPL		Worktops 4,100x600/900/ 1,200x39 mm those marked* also available in 4,100x650x39 mm with Hydrofuge core			HPL doors ³ Delivery time 5 working days
					4,100x 1,300x 0.8 mm	4,100x 1,410x 0.8 mm				
W 220	White	0802-G66Y	1002-G50Y		VV, MP			SM – 8, 16, 19 mm MP – 8, 16, 19 mm	CM	
W 400	Opaque White	0602-G84Y	0502-Y		VV, MP, TF			SM – 8, 10, 13, 16, 19*, 22 mm MP – 8, 10, 13, 16, 19*, 22 mm TF – 19 mm	CM	
W 450	Super White	0502-G83Y	0502-Y						HPL	
U 1010	Grey White	1202-Y01R	1002-Y	9002	MP			MP – 19* mm	CM	
U 1011	Volcanic White	0903-Y25R	1005-Y30R	ähnl. 9001	VV		VV		CM	
U 1025	Alpine White	0503-G47Y	0502-G50Y						HPL	
U 1026	Crystal White	0602-Y05R	0502-Y		VV, TC	TC	TC – Classic ***	VV	VV – 19 mm	CM
U 1027	Icy White	0407-R66B	S0507-R60B						HPL	
U 1109	Montana Grey	2201-G58Y	2500-N		MP			MP – 8, 16, 19* mm	CM	
U 1115	Platinum Grey	4601-B99G	4502-G		MP			VV	MP – 16, 19 mm	CM
U 1117	Volcanic Grey	6204-R93B	6005-R80B		MP			VV	MP – 19 mm	CM
U 1131	Silver Grey	1501-Y37R	1500-N		VV				MP – 16, 19 mm	CM
U 1179	Manhattan	2601-G35Y	2502-G		MP				MP – 19 mm	CM
U 1184	Sand Grey	3604-Y37R	4005-Y50R		VV				VV – 19 mm	CM
U 1188	Light Grey	2001-G37Y	2000-N	7035	MP, TC		TC – Classic ***	VV	MP – 8, 16, 19* mm	CM
U 1189	Pastel Grey	1302-G88Y	1502-Y		VV			VV		CM
U 1200	Volcanic Black	8402-R90B	8502-B	9005	MP			VV	MP – 16, 19 mm	CM
U 1211	Lava	6803-Y74R	S7005-Y50R							HPL
U 1233	Metallic Black	7801-R84B	8000-N		MP			VV		CM
U 1257	Graphite	7300-N	7500-N		MP				MP – 19 mm	CM
U 1290	Anthracite	6402-R92B	6502-B							HPL
U 1303	Ivory White	0702-G86Y	0502-Y		VV			VV		CM
U 1305	Kashmir Beige	1407-Y23R	1005-Y20R		MP					CM
U 1306	Magnolia	0705-Y20R	0505-Y20R		MP				MP – 19 mm	CM
U 1313	Medium Beige	1210-Y25R	1010-Y30R	1015	MP			VV	MP – 19 mm	CM
U 1316	Creme	2208-Y25R	S2010-Y20R		MP				MP – 19 mm	CM
U 1331	Beige Grey	1304-Y18R	2005-Y20R		VV					CM
U 1343	Sandgreige	1905-Y48R	2005-Y50R		VV			VV	VV – 19 mm	CM
U 1349	Caramel	3009-Y46R	S3010-Y40R		MP				MP – 19 mm	CM
U 1357	Cream	0908-Y44R	1010-Y40R							HPL
U 1358	Jasmine	1006-Y40R	1005-Y40R		MP, TC		TC – Classic*		MP – 19 mm	CM
U 1361	Bahama Beige	2109-Y45R	2010-Y50R		MP			VV		CM
U 1365	Came	0807-Y26R	0510-Y30R		MP			VV	MP – 19 mm	CM
U 1379	Magnolia White	0604-Y32R	S0804-Y30R							HPL
U 1559	Pastel Yellow	0717-Y15R	0520-Y10R		MP			VV	MP – 19 mm	CM
U 1560	Lemon	~0030-G70Y	0530-G70Y		VV				VV – 19 mm	CM
U 1572	Yellow	1015-Y23R	S1015-Y20R							HPL
U 1574	Velvet Yellow	0736-Y10R	0540-Y10R		MP			VV	MP – 19 mm	CM
U 1579	Egg yolk Yellow	0769-Y15R	0570-Y20R	1003	MP			VV	MP – 19 mm	CM
U 1591	Ivory Yellow	1213-Y17R	1010-Y20R		VV					CM
U 1601	Volcanic Red	6519-R10B	7020-R10B		VV					CM
U 1603	Wine Red	6229-R03B	S6030-R							HPL

Decor no.	Decor name	NCS code (exact match)	Closest NCS code (for colour systems)	RAL	Stock programme			HPL doors ^Δ Delivery time 5 working days	DP 2.655x2.100 mm those marked* also available in 3.200x2.050 mm thickness as quoted	CM
					HPL		Worktops 4,100x600/900/ 1,200x39 mm those marked* also available in 4,100x650x39 mm with Hydrofuge core			
					4,100x 1,300x 0.8 mm	4,100x 1,410x 0.8 mm				
U 1667	Orange	1367-Y41R	1070-Y40R	2011	MP			VV	MP – 19 mm	CM
U 1669	Carmine Red	1968-Y93R	2070-Y90R	3000	MP				MP – 19 mm	CM
U 1675	Cyclam	1958-R23B	S2060-R20B							HPL
U 1676	Geranium	0831-R12B	S1030-R10B							HPL
U 1677	Apricot	1528-Y74R	S1030-Y70R							HPL
U 1681	Geranium Red	0863-Y78R	1060-Y80R		VV					HPL
U 1690	Terra	3030-Y70R	3030-Y70R		VV					CM
U 1691	Ruby Red	3070-Y93R	3070-Y90R	3003	VV			VV	VV – 19 mm	CM
U 1697	Brick Red	2268-Y78R	2070-Y80R		VV					CM
U 1699	Velvet Red	3633-Y86R	4030-Y90R		MP					CM
U 1701	Volcanic Blue	7906-R79B	8005-R80B		VV					CM
U 1710	Night Blue	4060-R70B	4060-R70B		MP				MP – 19 mm	CM
U 1711	Lavender	~1060-R80B	1060-R80B		VV					CM
U 1715	Sky Blue	4123-R84B	4020-R80B	5014	MP			VV		CM
U 1717	Water Blue	2726-R88B	3030-R90B		MP			VV	MP – 19 mm	CM
U 1734	Petrol	5137-B08G	S5040-B10G		MP				MP – 19 mm	CM
U 1739	Crystal Blue	0923-R93B	1020-R90B		MP					CM
U 1740	Ice Blue	1005-B20G	1005-B20G		MP			VV	MP – 19 mm	CM
U 1747	Dark Blue	6616-R87B	7020-R90B		VV			VV		CM
U 1748	Royal Blue	4541-R85B	5040-R90B	5010	MP			VV	MP – 19 mm	CM
U 1795	Plum	4611-R32B	S5010-R30B							HPL
U 1796	Thistle	2612-R20B	S3010-R20B							HPL
U 1806	Pine Green	6315-B93G	6020-G		MP					CM
U 1818	Yellow Green	1857-G17Y	2060-G20Y	6018	MP				MP – 19 mm	CM
U 1825	Moss Green	7016-B76G	S7020-B70G		MP				MP – 19 mm	CM
U 1833	Kiwi	2118-G82Y	S2020-G80Y							HPL
U 1834	Apple	2918-G71Y	S3020-G70Y							HPL
U 1854	Blue Green	3723-B78G	4020-B70G		MP			VV		CM
U 1856	Light Olive	1647-G80Y	S1050-G80Y		MP				MP – 19 mm	CM
U 1857	Olive	2938-G79Y	S3040-G80Y		MP					CM
U 1896	Dull Green	3011-G03Y	3010-G		MP			VV		CM
U 1898	Peppermint	1214-G07Y	1010-G10Y		MP			VV		CM
U 1961	Cocoa	5610-Y70R	6010-Y70R		MP			VV	MP – 19 mm	CM
U 1980	Terrabrown	8202-Y86R	S8005-Y80R		MP				MP – 19 mm	CM
U 1982	Coffee	7605-Y52R	8005-Y50R		MP				MP – 19 mm	CM
M 9500	Natural Aluminium ^Δ				SM					Laminat
M 9510	Natural brushed Aluminium ^Δ				SM					Laminat
M 9600	Stainless Steel Alu ^Δ				SM					Laminat
M 9610	Brushed Stainless Steel ^Δ				SM					Laminat

** = Available as windowboard in VV as FBK and FBL 38. Sizes 4,100x160/200/250/300/400/500 mm.

*** = Available as windowboard in TC as FBK and FBL 38. Sizes 4,100x160/200/250/300/400/500 mm.

^Δ = HPL door sizes: 2,150x915/950/1,050/1,300x0.8 mm, 2,350x1,050x0.8 mm, 2,650x1,300x0.8 mm.

[▲] = Suitable for vertical use only.

• = These decors are available in colour match in VV. HG is only an hpl surface.

WOOD REPRODUCTIONS



Beige Ash
R 5012 TR



Light Maple
R 5464 W



Light Apple
R 5402 W



Natural planked Pear
R 5345 W



Bleached wild Pear
R 5413 W



Caramel Maple
R 5434 W



Light Bamboo
R 5801 W



Natural Sycamore
R 5445 W



Royal Maple
R 5184 W



Natural Tessin Maple
R 5201 W



Cashmere Maple
R 5978 W



Pearwood Butcherblock
R 5510 W



Sycamore
R 5479 W



Rose Maple
R 5460 W



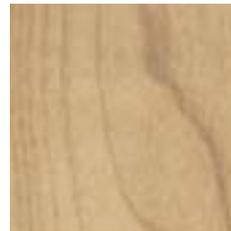
Light Pear
R 5342 W



Amber Tessin Maple
R 5202 W



Rosé Monza Maple
R 5203 W



Honey Monza Maple
R 5204 W



Classic Pear
R 5341 W



Natural wild Pear
R 5411 W



Calvados Apple
R 5406 W



Light Cherry
R 5971 W



Light Altmuehl Beech
R 5176 W



Natural Core Beech
R 5198 S0



Altmuehl Beech
R 5177 W



Waxed Core Beech
R 5199 S0



Westphalia Beech
R 5180 W



Block Beech
R 5153 MS



White Beech Parquet
R 5336 W



Plateau Beech
R 5200 S0



White Beech
R 5320 W



Samerberg Beech
R 5333 W



Light Arte Beech
R 5303 W



Natural Beech
R 5311 TR



Planked Beech
R 5313 TR



Figured Beech
R 5186 TR



Beech
R 5187 W



Subdued Beech
R 5322 W



Natural Bamboo
R 5802 W



Golden red Alder
R 4601 W



Red toned Pear
R 5343 W



Honey wild Pear
R 5416 W



Swiss Pear
R 5340 W



Precious Cherry
R 5360 W

WOOD REPRODUCTIONS



Light Oak
R 4381 TR



Light Verona Oak
R 4206 SO



Artwood
R 5809 WV



Gold Virginia
R 4532 SO



Nat. Balearic Oak
R 4400 TR



Naples Oak
R 4271 SO



Veronian Oak
R 4205 SO



Amber knotted Spruce
R 4508 TR



Lightened Montana Oak
R 4215 TR



Walnut
R 4894 SO



Natural Bamboo
R 5803 WV



Light Piemont Oak
R 4218 TR



Zebrano
R 5693 WV



Natural Spessart Oak
R 4182 TR



Pippy Oak
R 5195 TR



Natural Bavarian Oak
R 4373 TR



Natural Piemont Oak
R 4219 TR



French Oak
R 4497 WV



Light Ontario Maple
R 5241 W



Havanna Cherry
R 5681 W



Aurora Apple
R 5401 W



Bronze Virginia
R 4530 SO



Light Malaga Cherry
R 5674 W



Dark Ontario Maple
R 5240 W



Block Walnut
R 5151 MS



Clear Aragon Walnut
R 4866 SO



Limed Walnut
R 4870 SO



Light Olive Tuscany
R 5619 W



Medium Bella Noce
R 4888 W



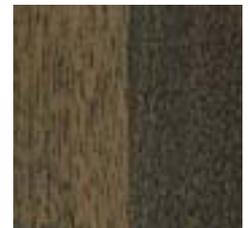
Red Plum
R 5605 W



Red Plum Butcherblock
R 5639 W



Brown Plum
R 5604 W



Woodmix Block
R 5989 W

WOOD REPRODUCTIONS



Cherry Tree
R 5352 TR



Light Mirabelle
R 5641 W



Clay Monza Maple
R 5205 W



Ikebana Wood
R 5807 W



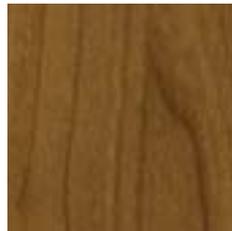
Fine planked Alder
R 4606 W



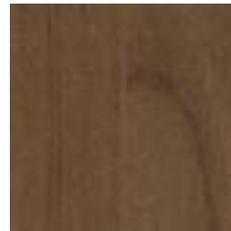
Light Indian Apple
R 5616 W



Cognac wild Pear
R 5410 W



Golden Cherry
R 5592 W



Classic Cherry
R 5595 W



Stained Cherry
R 5354 W



Java Rosewood
R 5610 W



Red Padua Cherry
R 5670 W



Mahogany
R 5634 TR



Indian Apple
R 5615 W



Red Malaga Cherry
R 5675 W



Olive Tuscany
R 5618 W



Dark Bella Noce
R 4887 W



Striped Teak
R 5692 TR



Aragon Walnut
R 4867 SO



Standard Walnut
R 4801 TR



Dark Mirabelle
R 5642 VV



Brown Solid Oak
R 4230 TR



Choco Bella Noce
R 4889 W



Dark Block Walnut
R 5157 W



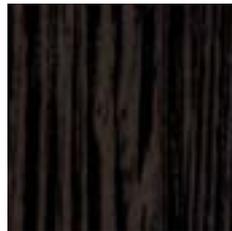
Coffee Piemont Oak
R 4220 TR



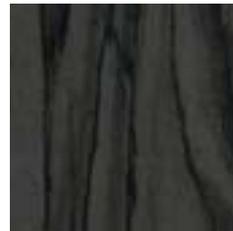
Brown Plum Butcherblock
R 5638 VV



Cinnamon Acacia
R 5052 SO



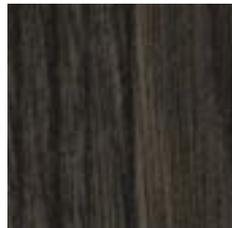
Classic Wenge
R 5690 TR



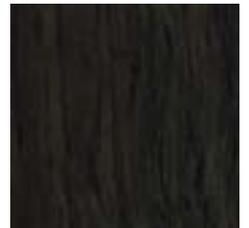
Artwood tobacco
R 5810 W



Milano Walnut
R 4896 SO



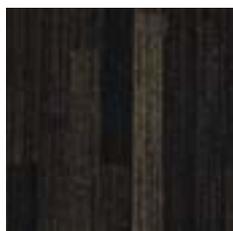
Mocha Piemont Oak
R 4221 TR



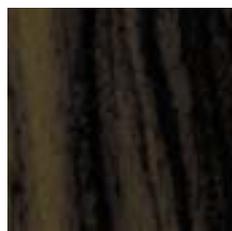
Dark Oak
R 4272 VV



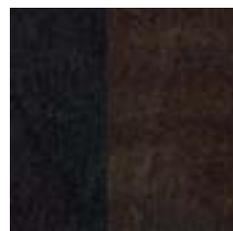
Mocha Virginia
R 4533 SO



Mocha Bamboo
R 5804 W



Macassar Ebony
R 5673 W



Block Wenge
R 5152 MS



After Eight Maple
R 5447 VV

WOOD REPRODUCTIONS

Decor no.	Decor name	Repeat	Stock programme				DP 2.655x2.100 mm those marked* also available in 3.200x2.050 mm thickness as quoted	CM
			HPL in mm		Worktops 4,100x600/900/ 1,200x39 mm those marked* also available in 4,100x650x39 mm with Hydrofuge core	HPL doors ³ Delivery time 5 working days		
			4,100x 1,300x 0.8	4,100x 1,410x 0.8				
R 4182	Natural Spessart Oak	Figured plank	TR				CM	
R 4205	Veronian Oak	Figured	SO			SO	SO – 19 mm	CM
R 4206	Light Verona Oak	Figured	SO				SO – 19 mm	CM
R 4215	Lightened Montana Oak	Figured plank	TR		TR – Quadra	TR	TR – 19 mm	CM
R 4218	Light Piemont Oak	Striped plank	TR					CM
R 4219	Natural Piemont Oak	Striped plank	TR				TR – 19 mm	CM
R 4220	Coffee Piemont Oak	Striped plank	TR				TR – 19 mm	CM
R 4221	Mocha Piemont Oak	Striped plank	TR		TR – Quadra ⁺		TR – 19 mm	CM
R 4230	Brown Solid Oak	Striped plank	TR					CM
R 4271	Naples Oak	Striped plank	SO			SO	SO – 19 mm	CM
R 4272	Dark Oak	Striped plank	VV				VV – 19 mm	CM
R 4373	Natural Bavarian Oak	Figured	TR				TR – 19 mm	CM
R 4381	Light Oak	Striped	TR					CM
R 4400	Nat. Balearic Oak	Striped plank	TR				TR – 19 mm	CM
R 4497	French Oak	Figured plank		VV				HPL
R 4508	Amber knotted Spruce	Figured	TR				TR – 19 mm	CM
R 4530	Bronze Virginia	Striped	SO				SO – 19 mm	CM
R 4532	Gold Virginia	Striped	SO					CM
R 4533	Mocha Virginia	Striped	SO				SO – 19 mm	CM
R 4601	Golden red Alder	Figured plank	VV			VV	VV – 19 mm	CM
R 4606	Fine planked Alder	Figured plank	VV					CM
R 4801	Standard Walnut	Striped plank	TR			TR	TR – 19 mm	CM
R 4866	Clear Aragon Walnut	Striped plank	SO				SO – 19 mm	CM
R 4867	Aragon Walnut	Striped plank	SO				SO – 19 mm	CM
R 4870	Limed Walnut	Striped plank						HPL
R 4887	Dark Bella Noce	Striped plank	VV			SO		CM
R 4888	Medium Bella Noce	Striped plank	VV				VV – 19 mm	CM
R 4889	Choco Bella Noce	Striped plank	VV			VV	VV – 19 mm	CM
R 4894	Walnut	Figured plank	SO				SO – 19 mm	CM
R 4896	Milano Walnut	Striped plank	SO				SO – 19 mm	CM
R 5012	Beige Ash	Figured	TR				TR – 19 mm	CM
R 5052	Cinnamon Acacia	Butcherblock						HPL
R 5151	Block Walnut	Butcherblock	MS	VV	MS – Quadra ⁺			HPL
R 5152	Block Wenge	Butcherblock	MS		MS – Quadra ⁺			HPL
R 5153	Block Beech	Bucheblock	MS		MS – Quadra ⁺			HPL
R 5157	Dark Block Walnut	Butcherblock						HPL
R 5176	Light Altmuehl Beech	Striped	VV					CM
R 5177	Altmuehl Beech	Striped	VV			VV		CM
R 5180	Westphalia Beech	Figured plank	VV					CM
R 5184	Royal Maple	Striped plank	VV	VV	VV – Quadra ⁺	VV	VV – 8, 16, 19* mm	CM
R 5186	Figured Beech	Figured plank	TR			VV	TR – 19 mm	CM
R 5187	Beech	Striped	VV					CM
R 5195	Pippy Oak	Figured plank	TR				TR – 19 mm	CM
R 5198	Natural Core Beech	Striped plank	SO				SO – 19 mm	CM
R 5199	Waxed Core Beech	Striped plank	SO				SO – 19 mm	CM
R 5200	Plateau Beech	Figured	SO			SO	SO – 19 mm	CM

Decor no.	Decor name	Repeat	Stock programme				DP 2.655x2.100 mm those marked* also available in 3.200x2.050 mm thickness as quoted	CM
			HPL in mm		Worktops 4,100x600/900/ 1,200x39 mm those marked* also available in 4,100x650x39 mm with Hydrofuge core	HPL doors ^Δ Delivery time 5 working days		
			4,100x 1,300x 0.8	4,100x 1,410x 0.8				
R 5201	Natural Tessin Maple	Striped plank	VV			VV	VV – 19 mm	CM
R 5202	Amber Tessin Maple	Striped plank	VV				VV – 19 mm	CM
R 5203	Rosé Monza Maple	Figured plank	VV					CM
R 5204	Honey Monza Maple	Figured plank	VV					CM
R 5205	Clay Monza Maple	Figured plank	VV				VV – 19 mm	CM
R 5240	Dark Ontario Maple	Figured plank						HPL
R 5241	Light Ontario Maple	Figured plank						HPL
R 5303	Light Arte Beech	Figured plank	VV					CM
R 5311	Natural Beech	Striped plank	TR			TR	TR – 8, 19 mm	CM
R 5313	Planked Beech	Striped plank	TR			VV	TR – 8, 16, 19 mm	CM
R 5320	White Beech	Striped plank	VV	VV	VV – Quadra ⁺	VV	VV – 8, 16, 19 mm	CM
R 5322	Subdued Beech	Striped plank	VV	VV	VV – Quadra ⁺			HPL
R 5333	Samerberg Beech	Striped plank	VV				VV – 19 mm	CM
R 5336	White Beech Parquet	Butcherblock	VV		VV – Quadra			HPL
R 5340	Swiss Pear	Figured	VV			VV	VV – 19 mm	CM
R 5341	Classic Pear	Figured	VV			VV	VV – 19 mm	CM
R 5342	Light Pear	Figured plank	VV					CM
R 5343	Red toned Pear	Figured plank	VV					CM
R 5345	Natural planked Pear	Figured plank	VV, MS		MS – Quadra ⁺	VV		CM
R 5352	Cherry Tree	Figured	TR				TR – 19 mm	CM
R 5354	Stained Cherry	Figured plank	VV				VV – 19 mm	CM
R 5360	Precious Cherry	Figured plank	VV				VV – 19 mm	CM
R 5401	Aurora Apple	Figured plank	VV				VV – 19 mm	CM
R 5402	Light Apple	Figured plank	VV					CM
R 5406	Calvados Apple	Figured plank	VV		VV – Quadra ⁺	VV		CM
R 5410	Cognac wild Pear	Figured plank	VV	VV	VV – Quadra ⁺	SO	VV – 19 mm	CM
R 5411	Natural wild Pear	Figured	VV			SO	VV – 19 mm	CM
R 5413	Bleached wild Pear	Figured plank	VV			SO	VV – 16, 19 mm	CM
R 5416	Honey wild Pear	Figured plank	VV			VV		CM
R 5434	Caramel Maple	Striped plank	VV					CM
R 5445	Natural Sycamore	Figured plank	VV				VV – 19 mm	CM
R 5447	After Eight Maple	Striped plank	VV				VV – 16, 19 mm	CM
R 5460	Rose Maple	Figured plank						HPL
R 5464	Light Maple	Figured plank	VV			VV	VV – 19 mm	CM
R 5479	Sycamore	Figured plank	VV			VV	VV – 19 mm	CM
R 5510	Pearwood Butcherblock	Striped plank	VV					CM
R 5592	Golden Cherry	Figured	VV					CM
R 5595	Classic Cherry	Figured plank	VV					CM
R 5604	Brown Plum	Striped plank	VV				VV – 19 mm	CM
R 5605	Red Plum	Striped plank	VV				VV – 19 mm	CM
R 5610	Java Rosewood	Striped	VV					CM
R 5615	Indian Apple	Figured plank	VV		VV – Quadra ⁺	VV	VV – 19 mm	CM

** = Available as windowboard in VV as FBK and FBL 38. Sizes 4,100x160/200/250/300/400/500 mm.

*** = Available as windowboard in TC as FBK and FBL 38. Sizes 4,100x160/200/250/300/400/500 mm.

Δ = HPL door sizes: 2,150x915/950/1,050/1,300x0.8 mm, 2,350x1,050x0.8 mm, 2,650x1,300x0.8 mm.

▲ = Suitable for vertical use only.

● = These decors are available in colour match in VV. HG is only a hpl surface.

WOOD REPRODUCTIONS

Decor no.	Decor name	Repeat	Stock programme				DP 2.655x2.100 mm those marked* also available in 3.200x2.050 mm thickness as quoted	CM
			HPL in mm		Worktops 4,100x600/900/ 1,200x39 mm those marked* also available in 4,100x650x39 mm with Hydrofuge core	HPL doors ^Δ Delivery time 5 working days		
			4,100x 1,300x 0.8	4,100x 1,410x 0.8				
R 5616	Light Indian Apple	Figured plank					HPL	
R 5618	Olive Tuscany	Striped plank	VV			VV – 19 mm	CM	
R 5619	Light Olive Tuscany	Striped plank					HPL	
R 5634	Mahogany	Figured	TR			TR – 19 mm	CM	
R 5638	Brown Plum Butcherblock	Butcherblock					HPL	
R 5639	Red Plum Butcherblock	Butcherblock					HPL	
R 5641	Light Mirabelle	Figured plank	VV			VV – 19 mm	CM	
R 5642	Dark Mirabelle	Figured plank	VV			VV – 19 mm	CM	
R 5670	Red Padua Cherry	Figured plank	WV				CM	
R 5673	Macassar Ebony	Striped plank	VV			VV	VV – 19 mm	CM
R 5674	Light Malaga Cherry	Striped plank	VV				VV – 19 mm	CM
R 5675	Red Malaga Cherry	Striped plank	WV			VV	VV – 19 mm	CM
R 5681	Havanna Cherry	Striped plank	VV			SO	VV – 19 mm	CM
R 5690	Classic Wenge	Striped plank	TR			TR	TR – 19 mm	CM
R 5692	Striped Teak	Striped	TR			VV	TR – 19 mm	CM
R 5693	Zebrano	Striped	VV			VV	VV – 19 mm	CM
R 5801	Light Bamboo	Striped plank	VV				VV – 19 mm	CM
R 5802	Natural Bamboo	Striped plank	VV					CM
R 5803	Natural Bamboo	Butcherblock	VV		VV – Quadra			HPL
R 5804	Mocha Bamboo	Butcherblock	VV	VV	VV – Quadra+			HPL
R 5807	Ikebana Wood	Butcherblock						HPL
R 5808	Loft Concrete	Figured plank	VV	VV	VV – Quadra+			HPL
R 5809	Artwood	Striped						HPL
R 5810	Artwood tobacco	Striped						HPL
R 5971	Light Cherry	Striped	VV				VV – 19 mm	CM
R 5978	Cashmere Maple	Figured plank	VV					CM
R 5989	Woodmix Block	Butcherblock	VV		VV – Quadra+			HPL

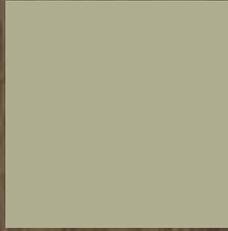
** = Available as windowboard in WV as FBK and FBL 38. Sizes 4,100x160/200/250/300/400/500 mm.

*** = Available as windowboard in TC as FBK and FBL 38. Sizes 4,100x160/200/250/300/400/500 mm.

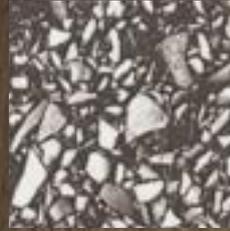
Δ = HPL door sizes: 2,150x915/950/1,050/1,300x0.8 mm, 2,350x1,050x0.8 mm, 2,650x1,300x0.8 mm.

▲ = Suitable for vertical use only.

• = These decors are available in colour match in WV. HG is only a hpl surface.



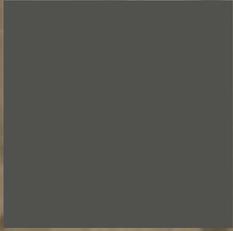
Beige Cava
F 8567 HG



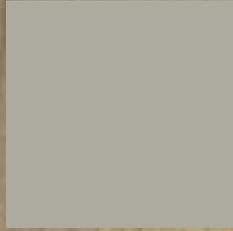
Tula brown white
F 8343 SM



Glacial Storm
R 6480 MS



Lava
U 1211 MP

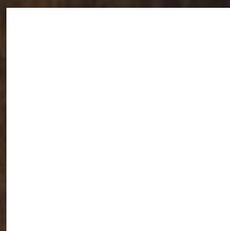


Rose Cava
F 8568 HG



Titanic Blue
F 7475 HG

Indian Apple
R 5615 VV



Icy White
U 1027 HG

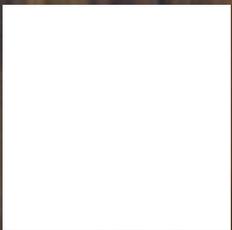


Apricot Playground
F 7930 SM



Kiwi
U 1833 MP

Olive Tuscany
R 5618 W



Icy White
U 1027 HG

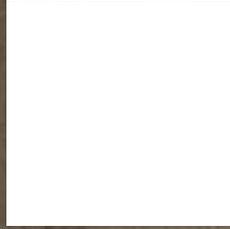


Beige Cava
F 8567 HG



Almond Playground
F 7932 SM

Brown Plum Butcherblock
R 5638 W



Icy White
U 1027 HG



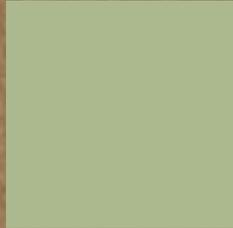
Apricot Playground
F 7930 SM



Soft Concrete
R 6493 W



Beige San Marco
R 6500 W



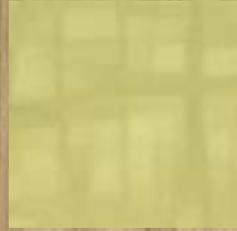
Apple
U 1834 MP



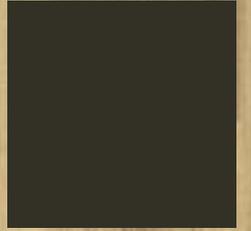
Clark
F 7943 S0



Thistle
U 1796 MP

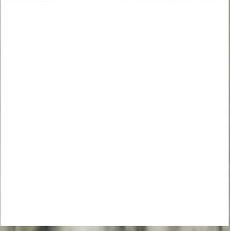


Audrey
F 7942 MP



Authentic
F 8339 SM

Artwood
R 5809 WV



Icy White
U 1027 HG

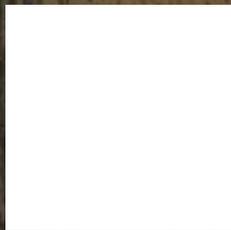


Cyclam
U 1675 MP



Terrabrown
U 1980 MP

Woodmix Block
R 5989 W



Icy White
U 1027 HG



Plum
U 1795 MP

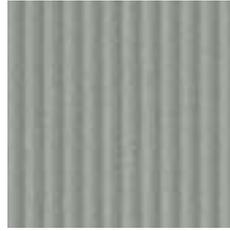


Beige San Marco
R 6500 W

FANTASY AND STONE



White Alu wave
F 8010 W



Silver Alu wave
F 8008 W



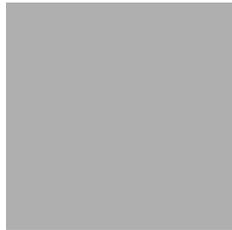
White Aluminium
F 8582 MP



Alu Finesse
F 8583 MP



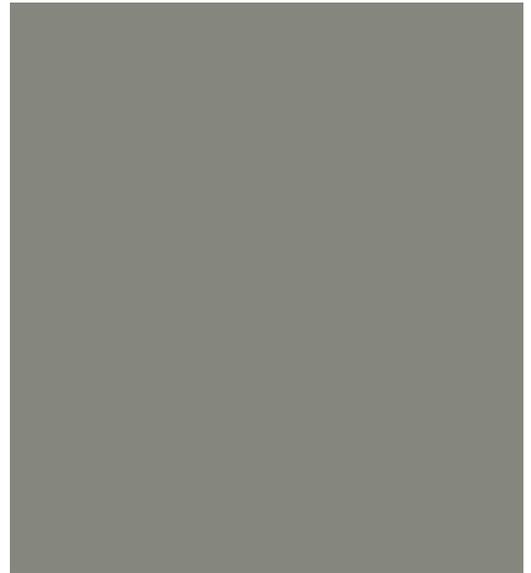
Brushed Aluminium
F 8110 W



Grey Anthracite
F 8595 MP



Metallic Polaris
F 7205 MP



Titanium
F 8572 MP



White Zeus
F 7485 MP



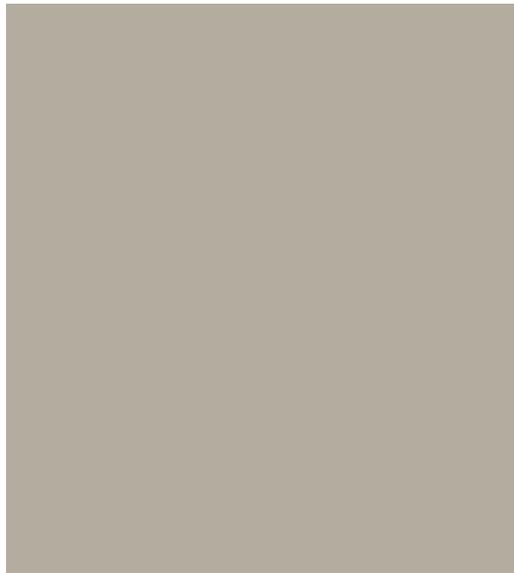
Silver grey Zeus
F 7487 MP



Anthracite Zeus
F 7486 MP



Authentic
F 8339 SM*



Rose Cava
F 8568 HG



Beige Cava
F 8567 HG



Yellow Rainbow
F 8816 HG



Green Rainbow
F 8815 HG



Anthracite Rainbow
F 8830 HG



Copper
F 8810 HG

* Differences in colour and design may arise for technical reasons, each sheet is unique.



White Arabesque
F 7463 W



Tula brown white
F 8343 SM



Motion Caramel
F 7666 W



Motion Cappuccino
F 7667 W



Tula black white
F 8342 SM



Chocolate Dream
F 8341 SM



Titanic Rust
F 7474 HG



Apricot Playground
F 7930 SM



Almond Playground
F 7932 SM



Clark
F 7943 S0



Humphrey
F 7940 S0



Audrey
F 7942 S0



Marilyn
F 7941 S0



Black Arabesque
F 7462 W



Cyclam Playground
F 7931 SM



Flash Red
F 7653 TC



Flash Blue
F 7651 TC



Flash Green
F 7652 TC



Flash Black
F 7654 TC

FANTASY AND STONE



Beach
F 7203 TC



Glacial Storm
R 6480 MS



Grey beige Sira
F 7424 TC



Trasimeno Shell
R 6496 W



Pale beige Oregano
F 7484 TC



White Attica Marble
R 6286 TC



Caldera Marble
R 6211 TC



Light Marble
R 6254 TC



Yellow Sira
F 7431 TC



Jura Marble
R 6442 HS



Ochre Mariposa
R 6343 TC



Taurus Sand
R 6482 HS



Corsica
R 6485 HS



Taurus Stone
R 6483 HS



Beige Pluto
R 6434 HS



Romano Granite
R 6282 TC



Belluno Granite
R 6284 HS



Mars
R 6428 HS



Sandstone
R 6489 TC



Tuscan Granite
R 6484 HS



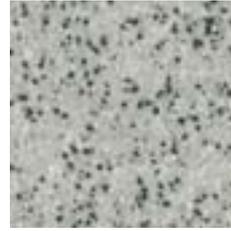
White Myriade
F 8190 MS



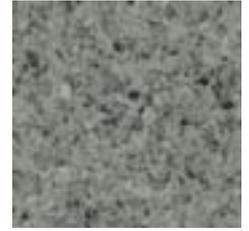
Mirabelle Corro
R 6352 TC



Beige Kashmir
R 6472 TC



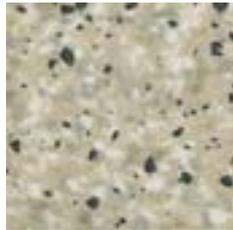
Grey Myriade
F 8192 MS



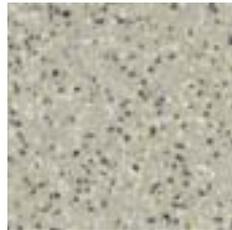
Pumice
R 6479 TC



Lana terracotta
R 6390 TC



Beige Orion
F 8331 MS



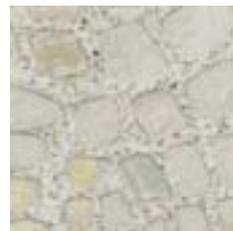
Beige Myriade
F 8191 MS



Light grey Corn
F 7920 TC



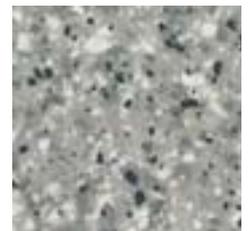
Oyster Sand
R 6481 TC



Beige San Marco
R 6500 WV



White Orion
F 8330 MS



Beige Orion
F 8335 MS



Titanic Blue
F 7475 HG



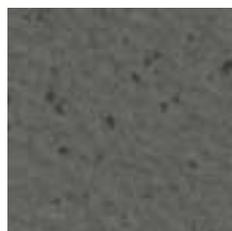
Grey San Marco
R 6501 WV



Beige Blue Aran
R 6381 TC



Grey Blue Aran
R 6380 TC



Motion Mocha
F 7665 WV



Silver Lunar
F 7419 HS

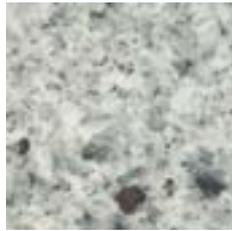


Green Epave
F 7710 TC

FANTASY AND STONE



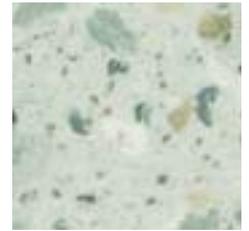
Carrara Marble
R 6443 MS



Grey Kashmir
R 6473 TC



Green Onyx
R 6441 TC



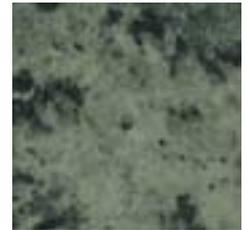
Light green Sira
F 7426 TC



Trasimeno Emerald
R 6495 WV



Venetian Granite
R 6465 HS



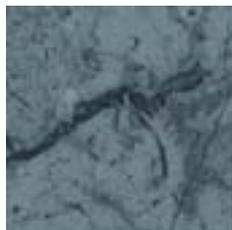
Connemara
R 6486 HS



Blue green Icegranite
R 6449 TC



Blue Azul
R 6427 HS



Blue Milano
F 7502 MP



Blue Ciel
F 7401 TC



Dark anthracite Fino
F 7684 MP



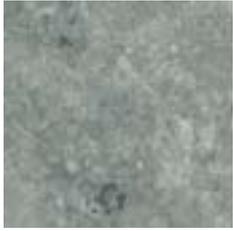
Black Myriade
F 8194 MS



Blue Myriade
F 8193 MS



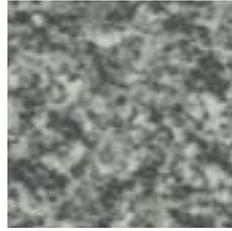
Blue Orion
F 8333 MS



Grey Limestone
R 6423 TC



Concrete
R 6488 PF



Arctic Granit
R 6210 TC



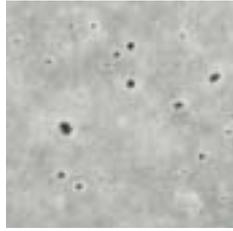
Crystal Black
R 6213 TC



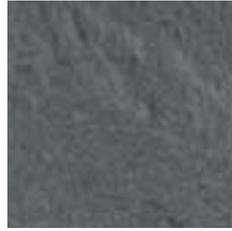
Light Brazil
R 6217 HS



Loft Concrete
R 5808 W



Soft Concrete
R 6493 W



Mid grey Slate
R 6448 W



Dark blue Azul Imperial
R 6444 TC



Black Brazil
R 6216 TC



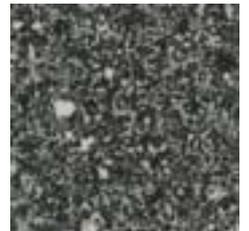
Trasimeno Basalt
R 6497 W



Black Limestone
R 6424 TC



Welsh Slate
R 6487 PF



Corn
F 7919 TC



Star Black
F 7407 TC



Red Pluto
R 6432 TC



Tropical Black
R 6498 HS

FANTASY AND STONE

Decor no.	Decor name	RAL	Stock programme				DP 2.655x2.100 mm those marked* also available in 3.200x2.050 mm thickness as quoted	CM
			HPL in mm		Worktops 4,100x600/900/ 1,200x39 mm those marked* also available in 4,100x650x39 mm with Hydrofuge core	HPL doors ^Δ Delivery time 5 working days		
			4,100x 1,300x 0.8	4,100x 1.410x 0.8				
R 6210	Arctic Granite		TC				HPL	
R 6211	Caldera Marble						HPL	
R 6213	Crystal Black		TC	TC	TC – Quadra+		HPL	
R 6216	Black Brazil						HPL	
R 6217	Light Brazil		HS		HS – Classic		HPL	
R 6254	Light Marble		TC		TC – Quadra****		HPL	
R 6282	Romano Granite		TC				HPL	
R 6284	Belluno Granite		HS	TC	HS – Classic+		HPL	
R 6286	White Attica Marble		TC	TC	TC – Quadra****		HPL	
R 6343	Ochre Mariposa		TC	TC	TC – Quadra+		HPL	
R 6352	Mirabelle Corro		TC		TC – Quadra		HPL	
R 6380	Grey Blue Aran		TC				HPL	
R 6381	Beige Blue Aran		TC				HPL	
R 6390	Lana terracotta		TC				HPL	
R 6423	Grey Limestone		TC	TC	TC – Quadra+		HPL	
R 6424	Black Limestone		TC	TC	TC – Quadra+		HPL	
R 6427	Blue Azul		HS		HS – Classic+		HPL	
R 6428	Mars		HS		HS – Classic+		HPL	
R 6432	Red Pluto		TC		TC – Quadra+		HPL	
R 6434	Beige Pluto		HS				HPL	
R 6441	Green Onyx		TC				HPL	
R 6442	Jura Marble		HS		HS – Classic		HPL	
R 6443	Carrara Marble		MS				HPL	
R 6444	Dark blue Azul Imperial		TC				HPL	
R 6448	Mid grey Slate		VV		VV – Quadra+		HPL	
R 6449	Blue green Icegranite		TC		TC – Quadra		HPL	
R 6465	Venetian Granite		HS		HS – Classic		HPL	
R 6472	Beige Kashmir		TC		TC – Quadra+		HPL	
R 6473	Grey Kashmir		TC		TC – Quadra		HPL	
R 6479	Pumice		TC		TC – Quadra		HPL	
R 6480	Glacial Storm		MS		MS – Quadra+		HPL	
R 6481	Oyster Sand		TC		TC – Quadra+		HPL	
R 6482	Taurus Sand		HS		HS – Classic+		HPL	
R 6483	Taurus Stone		HS		HS – Classic+		HPL	
R 6484	Tuscan Granite		HS		HS – Classic+		HPL	
R 6485	Corsica		HS		HS – Classic		HPL	
R 6486	Connemara		HS		HS – Classic+		HPL	
R 6487	Welsh Slate		PF		PF – Quadra+		HPL	
R 6488	Concrete		PF		PF – Quadra+		HPL	
R 6489	Sandstone		TC		TC – Quadra+		HPL	
R 6493	Soft Concrete			VV			HPL	
R 6495	Trasimeno Emerald			VV			HPL	
R 6496	Trasimeno Shell			VV			HPL	
R 6497	Trasimeno Basalt			VV			HPL	
R 6498	Tropical Black						HPL	
R 6500	Beige San Marco						HPL	

Decor no.	Decor name	RAL	Stock programme				DP 2.655x2.100 mm those marked* also available in 3.200x2.050 mm thickness as quoted	CM
			HPL in mm		Worktops 4,100x600/900/ 1,200x39 mm those marked* also available in 4,100x650x39 mm with Hydrofuge core	HPL doors ^Δ Delivery time 5 working days		
			4,100x 1,300x 0.8	4,100x 1.410x 0.8				
R 6501	Grey San Marco						HPL	
F 7203	Beach		TC		TC – Quadra+		HPL	
F 7205	Metallic Polaris		MP, HS		HS – Classic		CM	
F 7401	Blue Ciel						HPL	
F 7407	Star Black		TC	TC	TC – Quadra		HPL	
F 7419	Silver Lunar		HS				HPL	
F 7424	Grey beige Sira		TC	TC	TC – Quadra+		HPL	
F 7426	Light green Sira		TC		TC – Quadra+		HPL	
F 7431	Yellow Sira		TC	TC	TC – Quadra+		HPL	
F 7462	Black Arabesque		VV			VV – 19 mm	CM	
F 7463	White Arabesque		VV			VV – 19 mm	CM	
F 7474	Titanic Rust						HPL	
F 7475	Titanic Blue						HPL	
F 7484	Pale beige Oregano		TC				HPL	
F 7485	White Zeus		MP				CM	
F 7486	Anthracite Zeus		MP				CM	
F 7487	Silver grey Zeus		MP				CM	
F 7502	Blue Milano		MP				HPL	
F 7651	Flash Blue			TC			HPL	
F 7652	Flash Green			TC			HPL	
F 7653	Flash Red			TC			HPL	
F 7654	Flash Black			TC			HPL	
F 7665	Motion Mocha			VV			HPL	
F 7666	Motion Caramel			VV			HPL	
F 7667	Motion Cappuccino			VV			HPL	
F 7684	Dark anthracite Fino		MP, TC	TC	TC – Quadra+		CM	
F 7710	Green Epave		TC				HPL	
F 7919	Corn		TC		TC – Quadra		HPL	
F 7920	Light grey Corn		TC		TC – Quadra		HPL	
F 7930	Apricot Playground						HPL	
F 7931	Cyclam Playground						HPL	
F 7932	Almond Playground						HPL	
F 7940	Humphrey						HPL	
F 7941	Marilyn						HPL	
F 7942	Audrey						HPL	
F 7943	Clark						HPL	
F 8008	Silver Alu wave ^Δ		VV			SM	VV – 19 mm	
F 8010	White Alu wave		VV				CM	
F 8110	Brushed Aluminium		VV	VV	VV – Quadra+	VV	VV – 16, 19 mm	
F 8190	White Myriade		MS		MS – Quadra+		HPL	
F 8191	Beige Myriade		MS		MS – Quadra		HPL	
F 8192	Grey Myriade		MS		MS – Quadra		HPL	

** = Available as windowboard in VV as FBK and FBL 38. Sizes 4,100x160/200/250/300/400/500 mm.

*** = Available as windowboard in TC as FBK and FBL 38. Sizes 4,100x160/200/250/300/400/500 mm.

^Δ = HPL door sizes: 2,150x915/950/1,050/1,300x0.8 mm, 2,350x1,050x0.8 mm, 2,650x1,300x0.8 mm.

[▲] = Suitable for vertical use only.

• = These decors are available in colour match in VV. HG is only a hpl surface.

FANTASY AND STONE

Decor no.	Decor name	RAL	Stock programme			HPL doors ^Δ Delivery time 5 working days	DP 2.655x2.100 mm those marked* also available in 3.200x2.050 mm thickness as quoted	CM
			HPL in mm		Worktops 4,100x600/900/ 1,200x39 mm those marked* also available in 4,100x650x39 mm with Hydrofuge core			
			4,100x 1,300x 0.8	4,100x 1.410x 0.8				
F 8193	Blue Myriade		MS		MS – Quadra		HPL	
F 8194	Black Myriade		MS		MS – Quadra		HPL	
F 8330	White Orion		MS		MS – Quadra ⁺		HPL	
F 8331	Beige Orion						HPL	
F 8333	Blue Orion		MS		MS – Quadra ⁺		HPL	
F 8335	Grey Orion		MS				HPL	
F 8339	Authentic						HPL	
F 8341	Chocolate Dream						HPL	
F 8342	Tula black white						HPL	
F 8343	Tula brown white						HPL	
F 8567	Beige Cava [▲]						HPL	
F 8568	Rose Cava [▲]						HPL	
F 8572	Titanium [▲]		MP			MP – 19 mm	CM	
F 8582	White Aluminium [▲]	9006	MP			MP	MP – 19 mm	
F 8583	Alu Finesse [▲]		MP				MP – 19 mm	
F 8595	Grey Anthracite	9007	MP			MP	CM	
F 8810	Copper ^{▲●}		HG				CM	
F 8815	Green Rainbow ^{▲●}		HG				CM	
F 8816	Yellow Rainbow ^{▲●}		HG				CM	
F 8830	Anthracite Rainbow ^{▲●}		HG				CM	

** = Available as windowboard in WV as FBK and FBL 38. Sizes 4,100x160/200/250/300/400/500 mm.

*** = Available as windowboard in TC as FBK and FBL 38. Sizes 4,100x160/200/250/300/400/500 mm.

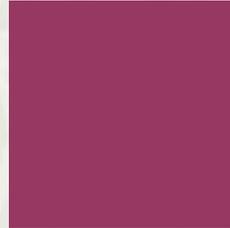
^Δ = HPL door sizes: 2,150x915/950/1,050/1,300x0.8 mm, 2,350x1,050x0.8 mm, 2,650x1,300x0.8 mm.

[▲] = Suitable for vertical use only.

[●] = These decors are available in colour match in WV. HG is only a hpl surface.



Black Arabesque
F 7462 W



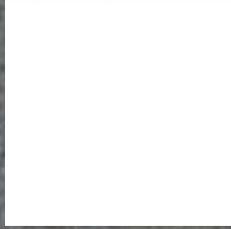
Cyclam
U 1675 MP



Indian Apple
R 5615 W



Terrabrown
U 1980 MP



Icy White
U 1027 HG



Grey San Marco
R 6501 W



Glacial Storm
R 6480 MS



Marilyn
F 7941 S0

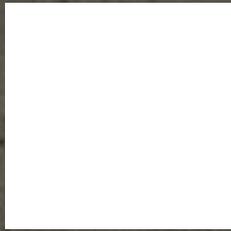


Brown Plum Butcherblock
R 5638 WV

Chocolate Dream
F 8341 SM



Tula brown white
F 8343 SM



Icy White
U 1027 HG

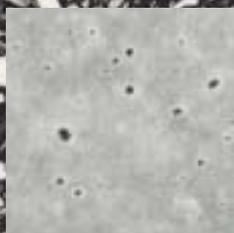


Light Ontario Maple
R 5241 WW

Tula black white
F 8342 SM



Terrabrown
U 1980 MP



Soft Concrete
R 6493 W



Cyclam Playground
F 7931 SM



Tula black white
F 8342 SM



Titanic Rust
F 7474 HG



Red Plum Butcherblock
R 5639 W

→ **WODEGO IS NOW TWICE AS GOOD:** On the one hand, we are a strong partner for retailers. On the other, no other manufacturer has such a wide range of wood-based core materials and designs as we do. From 2007 you can benefit from + our wide range of wood materials and designs + our design innovations + our "colour match" with 99 designs ex stock, which we offer through our partner Duropal + our experience with first-class projects, which we complete in co-operation with retailers.

www.wodego.com



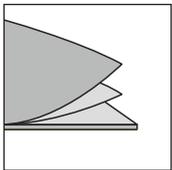
partnership x variety = wodego



DUROPAL HPL

Decorative Duropal high-pressure laminates (HPL) are extremely hard surfaces. They are used for furniture construction and interior design projects with high standards for quality and reliability, and are ideal for areas that need to be resistant to impact, heat and moisture. Because it is so easy to shape, Duropal HPL is also easy to process. And with over 300 designs to choose from, there are no limits to your design options.

PRODUCT CONSTRUCTION DUROPAL HPL



- | | |
|---------|--|
| Overlay | 1. Additional protection provided by melamine resin |
| Design | 2. Design paper – printed and melamine resin-soaked |
| Core | 3. Core – several layers of phenolic resin-soaked soda kraft paper |

THE ADVANTAGES OF DUROPAL HPL

- Hygienic
- Durable
- Safe for use with food
- Strong
- Colour-fast
- Heat resistant
- Can be postformed to the smallest radii
- Resistant to impact, scratches and abrasion
- Light-fast
- Strong in design
- Resistant to chemicals and water vapour
- Easy to process
- Fire retardant quality available
- No electrostatic charge
- Design range with over 300 designs and 13 surface textures
- Lots of designs available in the colour match to go with decorative panels by wodego and Pfeleiderer Industrie
- Easy to dispose of

APPLICATIONS

- Furniture manufacture and Interior construction
- Kitchens
- Hotels
- Shop-fitting
- Healthcare
- Ship construction
- Caravans
- Laboratories
- Vehicle and wagon construction
- Sanitary areas
- Tables
- Cupboards
- Partitions
- Wall panelling



DUROPAL HPL

Product/Quality	Surface textures	Formats in mm		Thickness in mm				Tolerance in mm		
		Length	Width	0.5	0.8	1.0	1.2	Length	Width	Thickness
Duropal HPL, postformable	VV, TC, MP, TR, PF, SO, HG, SM	5,300	1,300	■	■	■	■	+ 5.00/- 0	+ 10.00/- 0	± 0.05 (0.5 mm), ± 0.10 (0.8 mm), ± 0.15 mm (≥ 1.0–1.2 mm)
	VV, TC, MP, TR, PF, SO, PO, TF, HG, HS, SM, MS	4,100	1,300	■	■	■	■	+ 5.00/- 0	+ 10.00/- 0	
	CT	5,300/4,100	1,300	■	■			+ 5.00/- 0	+ 10.00/- 0	
	VV, TC	5,300/4,100	1,410 ¹⁾	■	■			+ 5.00/- 0	+ 10.00/- 0	
Duropal HPL, door formats	VV, TC, MP, TR, PF, SO, HG, SM	2,150	915		■			+ 5.00/- 0	+ 10.00/- 0	± 0.10 (0.8 mm)
		2,150	950		■			+ 5.00/- 0	+ 10.00/- 0	
		2,150	1,050		■			+ 5.00/- 0	+ 10.00/- 0	
		2,150	1,300		■			+ 5.00/- 0	+ 10.00/- 0	
		2,350	1,050		■			+ 5.00/- 0	+ 10.00/- 0	
		2,650	1,300		■			+ 5.00/- 0	+ 10.00/- 0	
Duropal HPL, highly flame-resistant, postformable	VV, TC, MP, TR	4,100	1,300		■			+ 5.00/- 0	+ 10.00/- 0	± 0.10 (0.8 mm)
Duropal HPL IMO/ US Coast Guard	VV, TC, MP, TR, PF, SO, HG, SM	5,300	1,300		■			+ 5.00/- 0	+ 10.00/- 0	± 0.10 (0.8 mm)

DUROPAL HPL EDGING

Product/Quality	Surface textures	Formats in mm		Thickness in mm	Tolerance in mm
		Length	Width ²⁾	0.5–0.8	Length
Duropal HPL edging	VV, TC, MP, TR, PF, SO, PO, TF, HG, HS, SM, MS, CT	4,100	34, 45	■	+ 5.00/- 0

¹⁾ Minimum delivery quantities on request.

²⁾ Additional widths 26–65 mm on request.

Now new: the antibacterial surface **Duropol microPLUS®** and the deceptively realistic stone surface **Crystal Stone (CT)**

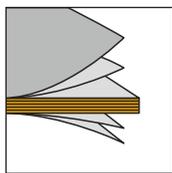
DUROPAL HPL SOLID

The perfect combination of uniformity, decoration and safety make Duropal HPL Solid and Duropal HPL Solid FR the perfect material for professional interior constructions. Hygiene and durability are the primary considerations.

Ideal for postforming and of a high quality – you can bend and shape Duropal HPL Solid however your customer requires. Which also means individual design solutions for the highest requirements and quality standards.

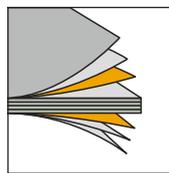
The product and colour match contains numerous matching design choices using Duropal HPL and Duropal HPL elements.

PRODUCT CONSTRUCTION DUROPAL HPL SOLID



Overlay
Design
Core
Design
Overlay

PRODUCT CONSTRUCTION DUROPAL HPL SOLID FR



Overlay
Design
Moisture barrier
Core
Moisture barrier
Design
Overlay

THE ADVANTAGES OF DUROPAL HPL SOLID

- Hygienic
- Durable
- Safe for use with food
- Strong
- Colour-fast
- Heat resistant
- Water resistant
- Self-supporting from a thickness of 6 mm
- Profiles like solid wood
- Postformable quality from 10 mm radius (with back-cutting)
- Design variety with over 300 designs and 4 surface textures
- Available in many designs in the product and colour match
- Also available in a highly flame-resistant quality
- Resistant to organic solvents
- Virtually free choice of colour combinations

APPLICATIONS

- Interior design projects
- Shop-fitting
- Hospitals
- Sanitary areas
- Ship construction
- Laboratories
- Vehicle and wagon construction
- Tables
- Cupboards
- Partitions
- Impact protection
- Wall panelling for operating theatres
- Kitchen worktops
- Office furniture
- Soffits
- Wall panelling



DUROPAL HPL SOLID

Product/Quality	Surface textures	Formats in mm		Thickness in mm							
		Length	Width	3.0	6.0	8.0	10.0	12.0	13.0	15.0	
Duopal HPL Solid B2/ black core, postformable ¹⁾	VV, MP, TR, TC	4,100	1,300	■	■	■	■	■	■	■	■
Duopal HPL Solid B1/ black core (highly flame- resistant to DIN 4102)	VV, MP, TR, TC	4,100	1,300		■	■	■	■	■	■	■
Duopal HPL Solid FR/ black core	VV, MP, TR, TC	4,100	1,300		■	■	■	■	■	■	■

¹⁾ Only postformable when the core has been routed back.

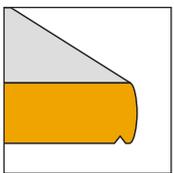
Now new: the antibacterial
surface **Duopal microPLUS®**

WORKTOPS

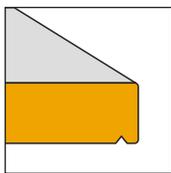
Duropol high-pressure laminate (HPL) combined with raw chipboard E1 produces high-quality Duropol postforming elements - ideal for heavy loads.

With a wide range of profile variants, Duropol worktops are ideal for any design preference, from classic to modern. Our worktops are available in four different profile variants: Classic profile, Quadra profile, water-safe profile, and with square edged profile.

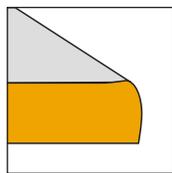
PROFILE VARIANTS DUROPAL HPL WORKTOPS



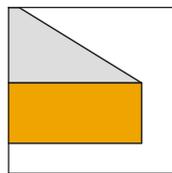
Classic profile



Quadra profile



Water-safe profile



Square edged

THE ADVANTAGES OF DUROPAL HPL WORKTOPS

- Safe for use with food
- Strong
- Heat resistant
- Water resistant
- Impact resistant
- High-quality sealed non-drip edge prevents water from penetrating the base units (Quadra and Classic profile)
- Profile edges rounded on one or both sides
- No electrostatic charge

APPLICATIONS

- Kitchens
- Canteens
- Pubs and restaurants
- Laboratories
- Banks
- Medical practices
- Worktops
- Counters
- Workbenches
- Bars
- Furniture
- Shelving

PRODUCT CONSTRUCTION

- Top side Duropol HPL
- Chipboard core
- Bottom side vapour-resistant layer
- PUR hot-melt seal



DUROPAL WORKTOPS											
Product/Quality	Radius in mm	Surface textures	Formats in mm		Thickn. chipb. in mm ²⁾				Tolerance in mm		
			Length	Width	28	38	49	58	Length	Width ³⁾	Thickness
Classic profile	6.0	VV, TC, MP, TR, PF, HS ¹⁾ , SM, MS, CT	5,300/4,100	Rounded on one side: 600/900/1,200	■	■			± 5.00	± 0.55	± 0.40
				Rounded on both sides: 640/1,000	■	■					
Quadra profile	3.0	VV, TC, MP, TR, PF, HS ¹⁾ , SM, MS, CT	5,300/4,100	Rounded on one side: 600/900/1,200	■	■	■	■	± 5.00	± 0.55	± 0.40
				Rounded on both sides: 640/900			■	■			
				Rounded on both sides: 640/1,000	■	■					
Water-safe profile	10.5/13.0	VV, TC, MP, TR, PF, HS ¹⁾ , SM, MS, CT	5,300/4,100	Rounded on one side: 600/900/1,200	■	■			± 5.00	± 0.55	± 0.40
Square edged	–	VV, TC, MP, TR, PF, HS ¹⁾ , SM, MS, CT	5,300/4,100	600/900/1,200	■	■	■	■	± 5.00	± 0.55	± 0.40

¹⁾ Surface texture HS only available in length 4,100 mm.

²⁾ Chipboard core P2/V20 E1, P3/Hydrofuge.

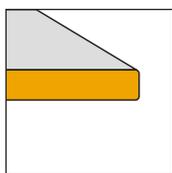
³⁾ Tolerance applies for width 600 mm, each further 100 mm ±0.05 mm.

Now new: the antibacterial surface **Duropal microPLUS®** and the deceptively realistic stone surface **Crystal Stone (CT)**

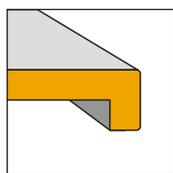
WINDOWBOARDS

Whether for new builds, interior fitting or renovations of old buildings, our high quality postformed elements made of Duropal high-pressure laminate (HPL) and a core material specially selected for the particular use are highly resistant, moisture resistant, and tailored to each requirement. Our windowboards are available in two profile variants, each with specific benefits.

PROFILE VARIANTS DUROPAL HPL WINDOWBOARDS



FBK



FBL 38

THE ADVANTAGES OF DUROPAL HPL WINDOWBOARDS

- Extremely strong
- Water resistant
- Light-fast and scratch resistant
- Profile variants for the particular application
- Easy-care and resistant to standard commercial acids and dyes

APPLICATIONS

- New builds
- Project interiors
- Renovations of old buildings



DUROPAL WINDOWBOARDS

Product/Quality	Profile	Radius in mm	Surface textures	Formats in mm							Thickn. chipb. in mm ¹⁾		Thickn. HPL in mm
				Length	Width						18	22	0.5
					160	200	250	300	400	500			
Hydro	FBK	5,0	VV, TC	4,100	■	■	■	■	■	■	■	■	■
	FBL 38	5,0	VV, TC	4,100	■	■	■	■	■	■	■	■	■

¹⁾ Chipboard core: structural moisture-resistant P3/Hydro E1. Bonding: D3, to DIN EN 204.

WINDOWBOARDS – STOCK PROGRAMME



U 1026 VV



U 1188 VV



R 6254 TC



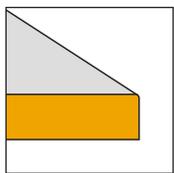
R 6286 TC

Now new: the antibacterial surface **Duropal microPLUS®**

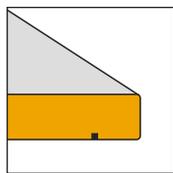
Duropol flat bonded elements: our flat bonded elements combine core materials with Duropol high-pressure laminates (HPL). If required, we will supply you with high-quality flat bonded elements in Duropol HPL with raw chipboard E1. They are available in size 4,100x1,1300 mm. Our flat bonded elements are also available with alternative core materials on enquiry. New from Duropol: the flat bonded element express programme with attractive designs from the wodego colour match or high-gloss surfaces. Your advantage: shortest delivery times!

Duropol front elements: These high quality postformed elements made of Duropol high-pressure laminate (HPL) to EN 438 and chipboard E1 are rounded on one or both sides. With an up-to-date range of profile variants, you can use our front elements in the most diverse areas: cabinet fronts, cupboard doors, shelves, tables or wall panelling in interior construction.

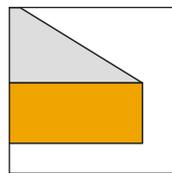
DUROPAL HPL FRONT ELEMENTS



LR 2025



LR 4025



Square edged

THE ADVANTAGES

- Easy to clean, extremely hygienic
- High impact strength
- Extremely colour-fast
- Fire-retardant quality
- Easy to process using wood processing tools and machinery
- Many designs available in the colour match

APPLICATIONS

- Interior design projects
- Cabinet fronts
- Cupboard doors
- Shelving
- Tables
- Wall panelling



FLAT BONDED ELEMENTS

Product/Quality	Surface textures	Profile	Formats in mm		Thickness chipboard in mm ¹⁾										Thickn. HPL in mm					
			Length	Width	13	14	15	16	17	18	19	22	28	38	0.5	0.8	1.0	1.2		
Duropal flat bonded elements	VV, TC, MP, TR, PF, SO, PO, TF, SM, MS, CT	Square edged	4,100	1,300		■		■		■							■			
	VV, TC, MP, TR, PF, SO, PO, TF, HG, HS, SM, MS, CT	Square edged	4,100	1,300	■	■	■	■	■	■	■	■	■	■			■	■	■	■
	VV, TC, MP, TR, SO, HG, SM, MS, CT	Square edged	2,650	1,300				■		■		■					■		■	

DUROPAL FLAT BONDED ELEMENTS FAST TRACK RANGE

Product/Quality	Surface textures	Profile	Formats in mm		Thickness chipboard in mm ²⁾										Thickn. HPL in mm					
			Length	Width	13	14	15	16	17	18	19	22	28	38	0.5	0.8	1.0	1.2		
Duropal flat bonded elements in fast track range	All HPL decors from the wodego colourmatch range	Square edged	4,100	1,300				■		■								■		
	Duropal plain colours in High-Gloss texture U 1026, U 1349, U 1358, U 1559, U 1691, U 1856, U 1857, U 1961, U 1980	Square edged	4,100	1,300				■		■									■	

DUROPAL FRONT ELEMENTS

Product/Quality	Radius in mm	Surface textures	Formats in mm		Thickn. chipboard in mm ²⁾				Thickn. HPL in mm			
			Length	Width	8	14	16	18	0.5	0.8	1,2	
LR 2025	2.5	VV, TC, MP, TR, SO, PO, TF, SM, CT	4,100	100–1.200			■	■	■			
LR 4025	2.5	VV, TC, MP, TR, SO, PO, TF, SM	4,100	Insert 25 mm: 130–1.200			■	■	■			
Square edged	–	VV, TC, MP, TR, SO, PO, TF, HG, SM, CT	4,100	600–640	■						■	
Square edged	–	VV, TC, MP, TR, SO, PO, TF, HG, SM, CT	4,100	200–1.290		■	■	■	■	■	■ ³⁾	■ ³⁾

¹⁾ Chipboard core P2/V20 E1, other cores as MDF, P3/V100, wood core plywood, P2/Pyroex on request.

²⁾ Chipboard core P2/V20 E1.

³⁾ Surface HG only.

Bonding: D2, to DIN EN 204.

Now new: the antibacterial surface **Duropal microPLUS®** and the deceptively realistic stone surface **Crystal Stone (CT)**