



Sandwich panel SP2E E-PIR for external wall

With its low thermal conductivity ratio and airtight joint design combined with available thicknesses up to 200mm, this polyisocyanurate (PIR) core panel is an ideal solution for cold storages as well as for facades with ultimate requirements for energy efficiency.

Applications:

- External walls
- Cold storages

Design and installation services are an important part of Ruukki's sandwich panel offering package with a view to speeding up our customers' projects.

We help you to choose optimal products and design your building using our products, as well as decide on installation methods and maintenance instructions to ensure a long lifespan.

The information on our web site is accurate to the best of our knowledge and understanding. Although every effort has been made to ensure accuracy, the company cannot accept any responsibility for any direct or indirect damages resulting from possible errors or incorrect application of the information of this publication. We reserve the right to make changes.

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Properties

Core material:	PIR (polyisocyanurate)
Module/total width (mm):	1100/1120
Length (m):	2.0 - 18.5
External facing thickness (mm):	0.50 (or 0.60)
Internal facing thickness (mm):	0.50
Reaction to fire:	B-s2, d0

Properties by panel thickness

Thickness (mm)	120	160	180	200
Weight (kg/m ²)	13.4	15.2	16.0	16.8
U-value (W/m ² K)	0.18	0.14	0.12	0.11
Sound insulation Rw (dB)	25	25	25	25
Wall fire resistance values & max span horizontal/vertical orientation (m):				
EI15	11.4/4	11.4/4	11.4/4	11.4/4
EI15 (stainless steel)	9/4	9/4	9/4	9/4
EI30	4/4	4/4	4/4	4/4
EW30	4/4	4/4	4/4	4/4

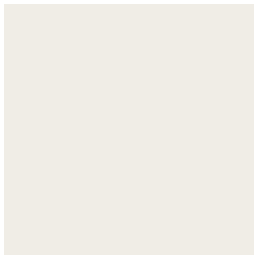
Coatings & colours

Coatings

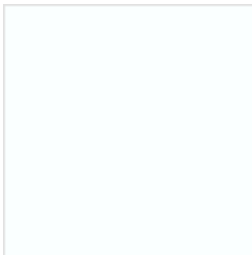
Standard coating for external and internal faces	Optional coating for external faces	Optional coating for internal faces	Optional material for internal faces
Corrosion classes C2-C3	Corrosion classes C1-C3	Corrosion classes C1-C3	Corrosion classes C1-C5-M
Polyester (25µm), Hiarc (27µm)*	Hiarc (27µm)	PVC Laminate (120µm) PET (55 µm)	Stainless steel

* Colours 9006, 9007, 7035 available as standard in Hiarc (27µm) coating.

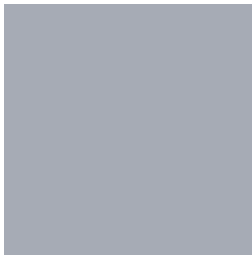
Standard colours



RAL 9002 Grey white
External and internal
face



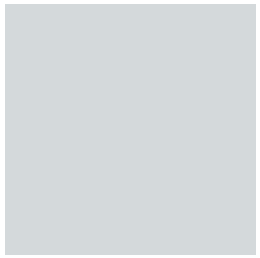
RAL 9010 Pure white
External and internal
face



**RAL 9006 White
aluminium**
External face



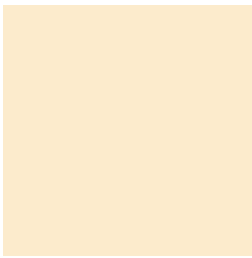
**RAL 9007 Grey
aluminium**
External face



RAL 7035 Light grey
External face



RAL 3013 Tomato red
External face



RAL 1015 Light ivory
External face



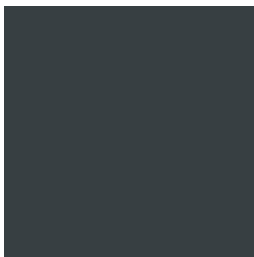
RAL 5005 Signal blue
External face



**RAL 6011 Reseda
green**
External face



RR 23 Dark grey
External face



**RAL 7016 Anthracite
Grey**
External face

Profile options



Linear profile

Standard for external and internal face.



Micro profile

Standard for external face.



Flat profile

Standard for external and internal face.



Rib 28 profile

Standard for external face

Instructions

This document includes information about:

- Packing
- Transportation and unloading
- Storing
- Assembling

Maintenance instructions document contains information about:

- Washing
- Painting

Order & delivery

Order forms

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Certificates and approvals

- Quality Certificate ISO 9001:2000
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- Technical Approval AT-15-7909/2009
- Hygienic Certificate H K/B/0667/01/2009

Our technical support and sales are happy to provide you with assistance. Contact us by phone or leave us a contact request and we will contact you at earliest possible time.