

ENERGY-SAVING SANDWICH PANELS

RAUTA

Facades ■ Roofs ■ Buildings



Rauta

- ✓ Expert in steel construction
- ✓ Exclusive supplier of Ruukki commercial products to Ukraine
- ✓ Design, supply, installation



Ruukki sandwich panels advantages

- ✓ High quality mineral wool and PIR
- ✓ Structural steel grades
- ✓ Warranty up to 30 years
- ✓ Certificate DSTU B EN 14509
- ✓ Certificates LEED, BREAM, FM
- ✓ Increased energy efficiency
- ✓ High durability in an aggressive environment
- ✓ Water- and airtightness

Mineral wool





SPB W

- ✓ Standard module width:
1 000 – 1 100 mm
- ✓ Thickness: 100 – 200 mm
- ✓ Maximum length: 12 m
- ✓ Fixing: visible

Facing thickness (internal / external):

- ✓ W, WE – 0,6 / 0,5 mm
- ✓ WI, WEI – 0,5 / 0,5 mm

Density of mineral wool:

- ✓ WS – 120 kg/m³
- ✓ W – 115 kg/m³
- ✓ WE – 90 kg/m³
- ✓ WEE – 70 kg/m³



SPB W ENERGY

- ✓ Standard module width:
1 000 – 1 100 mm
- ✓ Thickness: 100 – 200 mm
- ✓ Maximum length: 12 m
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SP2D W

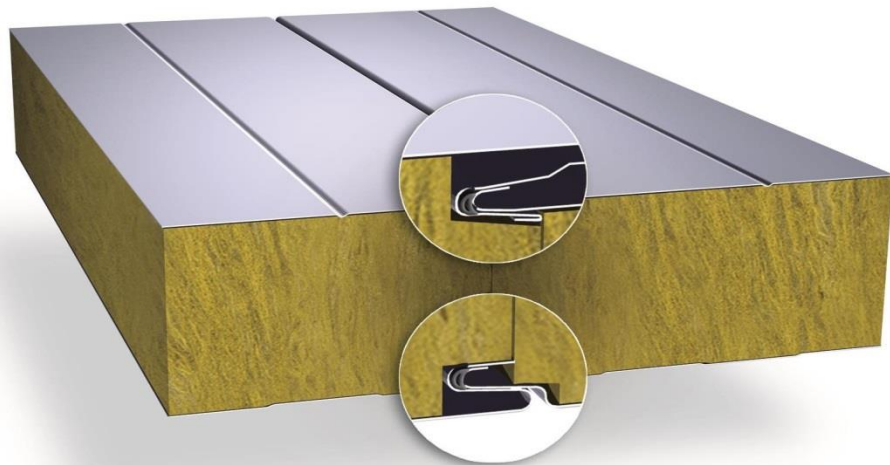
- ✓ Standard module width: 1 000 mm
- ✓ Thickness: 100 – 200 mm
- ✓ Maximum length: 12 m
- ✓ Fixing: hidden

Facing thickness (internal / external):

- ✓ W, WE – 0,6 / 0,5 mm

Density of mineral wool:

- ✓ WS – 120 kg/m³
- ✓ W – 115 kg/m³
- ✓ WE – 90 kg/m³



SP2D W ENERGY

- ✓ Standard module width: 1 000 mm
- ✓ Thickness: 100 – 200 mm
- ✓ Maximum length: 12 m
- ✓ Fixing: hidden

Facing thickness (internal / external):

- ✓ W, WE – 0,6 / 0,5 mm

Density of mineral wool:

- ✓ WS – 120 kg/m³
- ✓ W – 115 kg/m³
- ✓ WE – 90 kg/m³



SPC W

- ✓ Standard module width: 1 000 mm
- ✓ Thickness: 100 – 150 mm
- ✓ Maximum length: 12 m
- ✓ Fixing: visible

Facing thickness (internal / external):

- ✓ W – 0,6 / 0,5 mm

Density of mineral wool:

- ✓ WS – 120 kg/m³
- ✓ W – 115 kg/m³

PIR





SP2B PIR

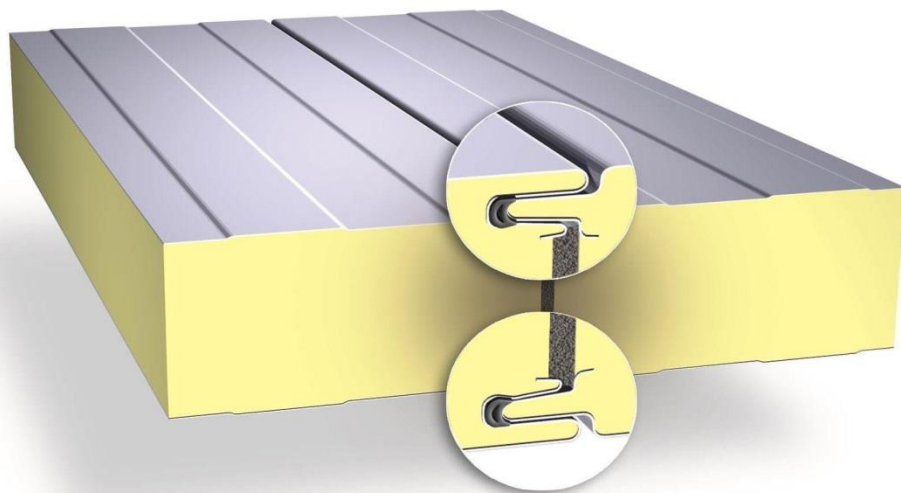
- ✓ Standard module width: 1 000 mm
- ✓ Thickness: 40 – 100 mm
- ✓ Maximum length: 18,5 m
- ✓ Fixing: visible

Facing thickness (internal / external):

- ✓ X, E – 0,5 / 0,4 mm
- ✓ E-AgriPro – 0,4 / 0,4 mm

Density of PIR:

- ✓ E-PIR – 35 kg/m³
- ✓ X-PIR – 39 kg/m³



SP2B PIR ENERGY

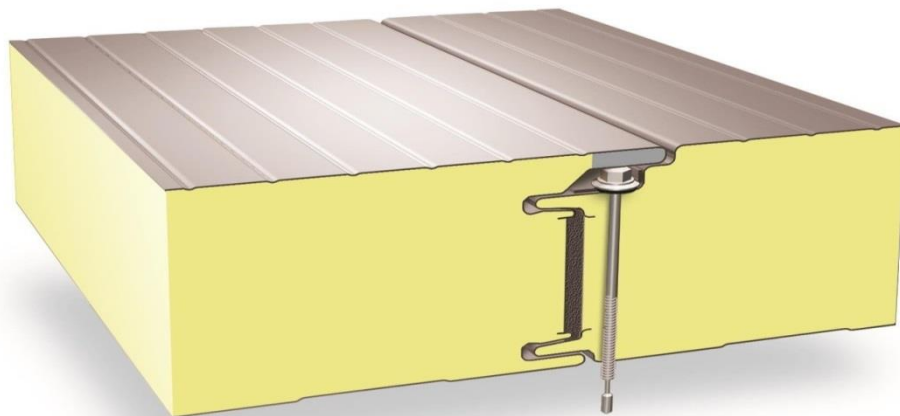
- ✓ Standard module width: 1 000 mm
- ✓ Thickness: 100 mm
- ✓ Maximum length: 18,5 m
- ✓ Fixing: visible

Facing thickness (internal / external):

- ✓ X, E – 0,5 / 0,4 mm

Density of PIR:

- ✓ E-PIR – 35 kg/m³
- ✓ X-PIR – 39 kg/m³



SP2D PIR

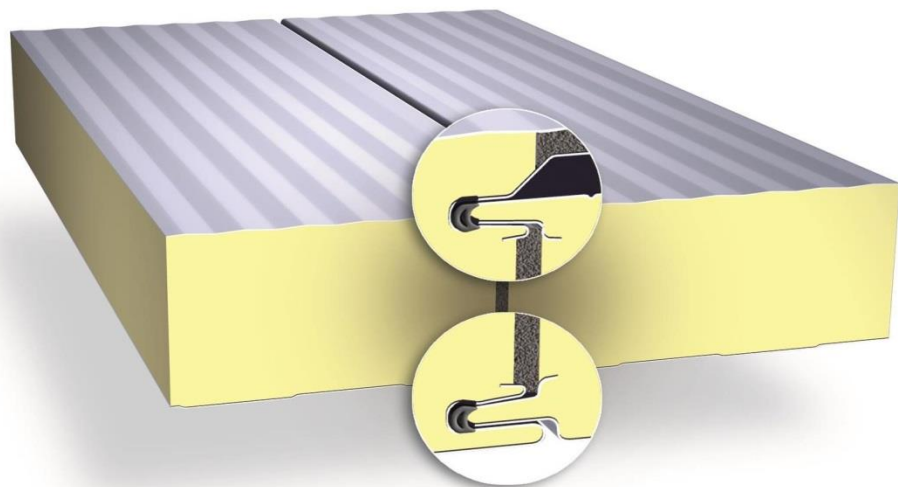
- ✓ Standard module width: 1 000 mm
- ✓ Thickness: 60 – 120 mm
- ✓ Maximum length: 18,5 m
- ✓ Fixing: hidden

Facing thickness (internal / external):

- ✓ X, E – 0,5 / 0,4 mm

Density of PIR:

- ✓ E-PIR – 35 kg/m³
- ✓ X-PIR – 39 kg/m³



SP2D PIR ENERGY

- ✓ Standard module width: 1 000 mm
- ✓ Thickness: 100 – 120 mm
- ✓ Maximum length: 18,5 m
- ✓ Fixing: visible

Facing thickness (internal / external):

- ✓ X, E – 0,5 / 0,4 mm

Density of PIR:

- ✓ E-PIR – 35 kg/m³
- ✓ X-PIR – 39 kg/m³



SP2E PIR

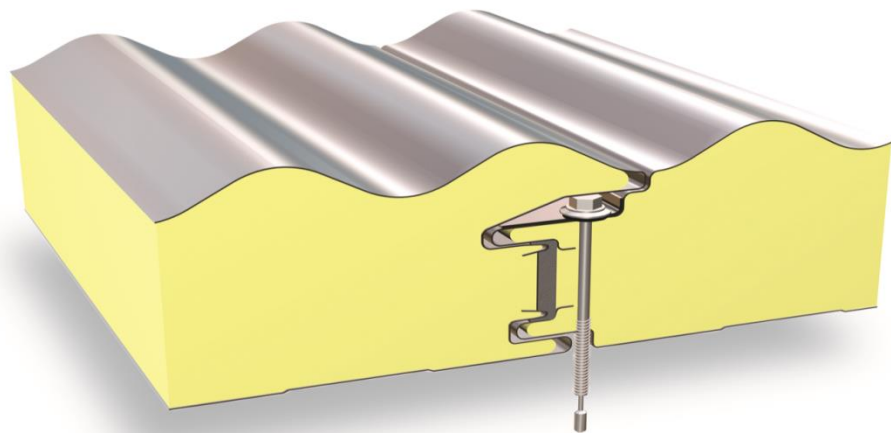
- ✓ Standard module width: 1 100 mm
- ✓ Thickness: 120 – 200 mm
- ✓ Maximum length: 18,5 m
- ✓ Fixing: visible

Facing thickness (internal / external):

- ✓ E – 0,5 / 0,4 mm

Density of PIR:

- ✓ E-PIR – 35 kg/m³



SPF PIR

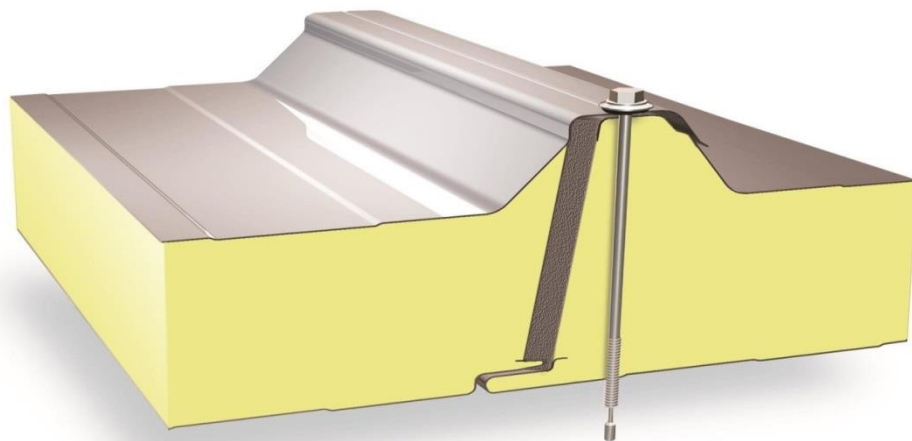
- ✓ Standard module width: 900 mm
- ✓ Thickness: 98 / 80 mm
- ✓ Maximum length: 18,5 m
- ✓ Fixing: hidden

Facing thickness (internal / external):

- ✓ E – 0,60 / 0,55 mm

Density of PIR:

- ✓ E-PIR – 35 kg/m³



SP2C PIR

- ✓ Standard module width: 1 000 mm
- ✓ Thickness: 40 – 170 mm
- ✓ Maximum length: 18,5 m
- ✓ Fixing: visible

Facing thickness (internal / external):

- ✓ X, E – 0,5 / 0,4 mm
- ✓ E-AgriPro – 0,4 / 0,4 mm

Density of PIR:

- ✓ E-PIR – 35 kg/m³
- ✓ X-PIR – 39 kg/m³

Profiling





L – linear



E – embossed



S – sinusoidal



M – micro



F – flat



R – ribbed



Complete set



Complete set

- ✓ Purlins
- ✓ Flashings
- ✓ Fixing
- ✓ Sealants
- ✓ Accessories

Services





Design

- ✓ Design according to DSTU and Eurocode
- ✓ Design of sections MS, CS, AR, AC
- ✓ Library of technical solutions:
 - Firewalls
 - Light removable structure
 - Passive buildings



Installation

- ✓ Assembly instructions
- ✓ Installation supervision
- ✓ Installation



Service

- ✓ Delivery
- ✓ Complete set calculation
- ✓ Selection of polymer coatings
- ✓ Energy audit
- ✓ Additional panels of identical shade

Colors

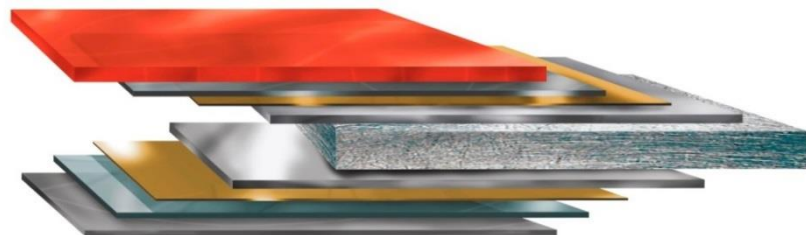




External facing thickness



Internal facing thickness



Coatings

Polyester, PVC, Hiarc, Pural, Pural Farm

References



Emporia



Stadium Arena



Malmö Arena



Auchan



DHL



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Axor



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THANK YOU FOR ATTENTION!

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