Product card - **Wall sandwich panel with concealed fastening**

SPW-H CORE PIR

THE POWER OF ROOFS

BP2

Product card

Wall sandwich panel with concealed fastening
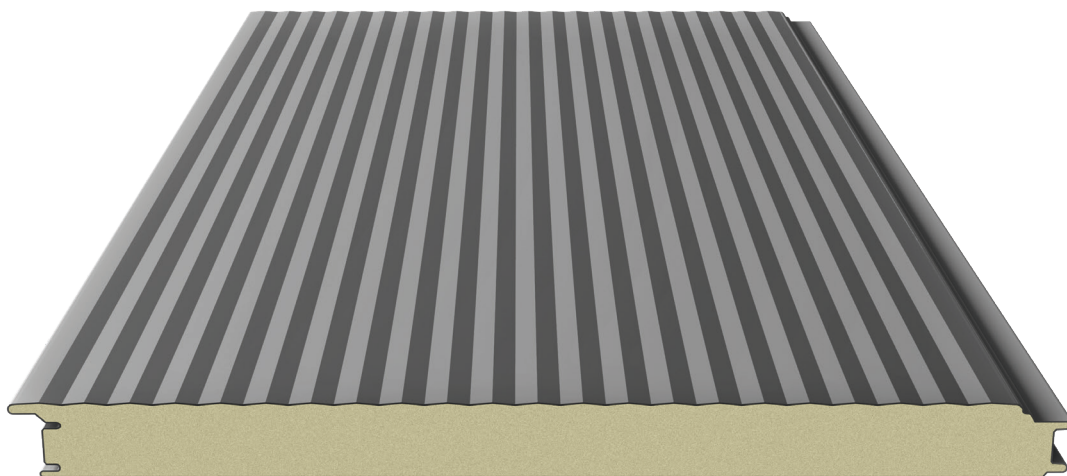
SPW-H CORE PIR

Sandwich panels are high-performance products that meet the requirements of the modern construction market.
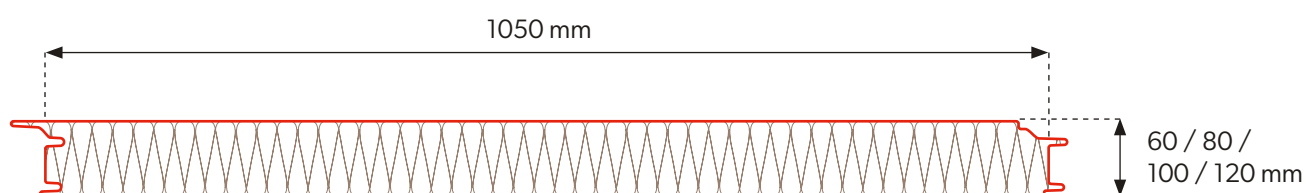
Suitable for the construction of exterior and interior wall claddings and ceilings of industrial or public utility facilities.

For the investor, it is a high quality product at a good price. For architects, it offers many possibilities in relation to the design intent. For construction managers, quick and easy installation. For construction supervision, friendly and transparent possibilities to verify the course of the entire process of construction execution from delivery until build acceptance.
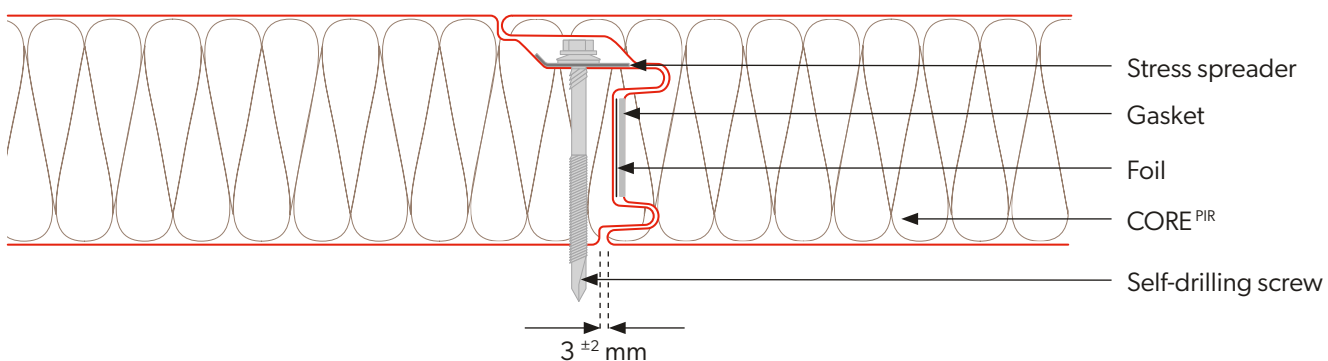
Technical information

Board cross-section

1050 mm

60 / 80 / 100 / 120 mm

Joining of panels

Stress spreader

Gasket

Foil

CORE PIR

Self-drilling screw

3 ±2 mm

Technical information

Core	PIR			
Density [kg/m³]	40 ± 3			
PIR panel thickness [mm]	60	80	100	120
Weight [kg/m²]	10,6	11,5	12,3	13,2
Effective width [mm]	1050			
Total width [mm]	1102			
Min. panel length [mb]	2,5			
Max. panel length [mb]	13,5			
Outer/inner sheet thickness [mm]	0,4-0,7 / 0,4-0,7			
U-factor [W/m²K].	0,37	0,28	0,22	0,18
Reaction to fire	B-s1,d0			
Wall resistance to external fire	EI15	EI15	EI30	EI30
Type of profiling ext. / int.	[R], [M], [T] , [F] / [M], [T] , [F]			
Corrosion resistance ext. / ext.	C1, C2, C3 (C4 ÷ C5) / A1 (A2 ÷ A5)			
Standard coatings	Poliester Interior [INT], Poliester Standard [RAL], HERCULIT [HC], MULTILAYER 40 [MLT]			
Special coatings	PVDF, PUR, PVC (P), PVC (F) - FoodSafe			
Accessories	Fastening system, gaskets, flashings, lighting profiles			

Packaging of sandwich panels

Panel thickness [mm]	Modular width [mm]	Quantity of panels in a package	Quantity of packages per vehicle	Package height [mm]	Package weight [kg]	Maximum loading length [m]	Quantity of panels per vehicle [m2]
60	1050	13	6	880	2640	12	983
80	1050	15	4	1300	2600	12	756
100	1050	12	4	1300	2600	12	605
120	1050	10	4	1300	2600	12	504

External profiling

MICRO RIB [M]   23,65 mm

0,4 mm

TRAPEZOIDAL [T]   44,70 mm

0,4 mm

RIB [R]   47,29 mm

1,5 mm
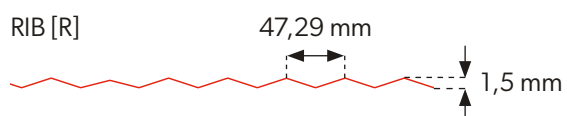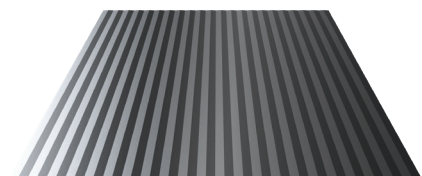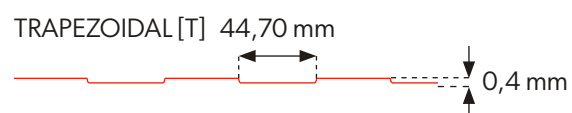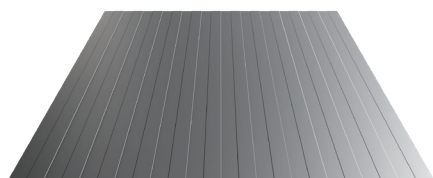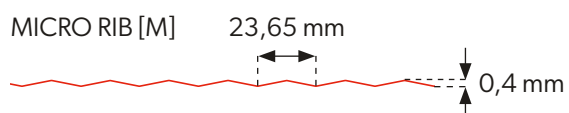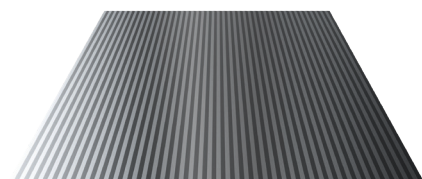
FLAT [F]

Internal profiling

TRAPEZOIDAL [T]   44,70 mm

0,4 mm

MICRO RIB [M]   23,65 mm

0,4 mm
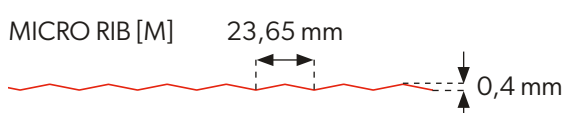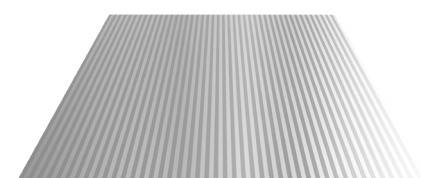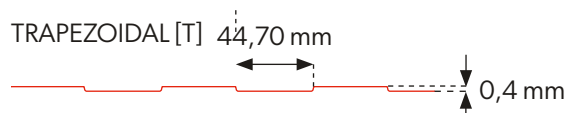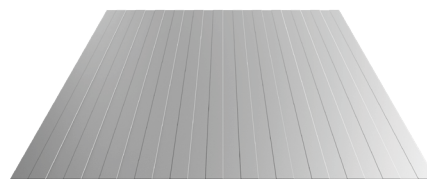
FLAT [F]

⚠ Internal and external profiling are available in any configuration.

Coatings and colors

POLIESTER Interior [INT] - Available colors for interior cladding

INT
9002

INT
9010

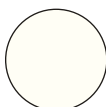**POLIESTER Standard [RAL]** - Available colors for exterior cladding

RAL 1002	RAL 1015	RAL 3000 [0.7]	RAL 3005	RAL 3009	RAL 3011 [0.7]	RAL 5010 [0.7]

RAL 6005	RAL 6011	RAL 6020	RAL 6029	RAL 7016 [0.7]	RAL 7024 [0.7]	RAL 7035 [0.7]
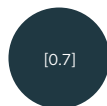
RAL 8004	RAL 8017 [0.7]	RAL 8019	RAL 9002 [0.6] [0.7]	RAL 9005	RAL 9006 [0.6] [0.7]	RAL 9007 [0.7]	RAL 9010 [0.7]

HERCULIT [HC]

HC 3009	HC 7016	HC 8004	HC 8017	HC 9005

MULTILAYER 40 [MLT] - Available colors for exterior cladding

SL252 Winchester [0.5]* [0.6]	SL55 Venge [0.6]	SL59 Dark Oak [0.5]* [0.6]	SL65 Golden Oak [0.5]* [0.6]

! Printing technology does not allow faithful rendering of colors. Therefore the colors shown are indicative and may differ from actual colors.

! In addition, on individual order, non-standard colors and coatings are available, outside the palette shown (PVDF, PUR, PVC (P), PVC (F) - FoodSafe).

Coating parameters

Code	Coating thickness	Corrosion resistance	UV resistance
POLIESTER Interior [INT]	15 µm	RA2	Not applicable
POLIESTER Standard [RAL]	25 µm	RC3	RUV2
HERCULIT [HC]	35 µm	RC4	RUV4
MULTILAYER 40 [MLT]	40 µm	RC3	RUV3

Notes

Modular roofing tiles
MODULAR SERIES

Compact roofing tiles
COMPACT SERIES

Steel roofing tiles
CLASSIC SERIES

Retro roof tiles
RETRO SERIES

Roof panels
PANEL SERIES

INTEGRATED
PV PANELS

Steel roof gutter system
INGURI

TRAPEZOIDAL
SHEETS

FLAT METAL
SHEETS

FLASHINGS

ACCESORIES

Roof Sandwich
PANELS

Wall Sandwich
PANELS

Facade cladding
SKRIN, LINEA, SINUS

Wall cassette &
PROSYSTHERM

Uncoiling and slitting
SERVICES

Flat sheets and cutting
SERVICES

PERFORATION
of sheets

BP2 **IMPRO** **VSS** **SOLROOF**