Product card - **Roof sandwich panel**

SPR CORE PIR

STEEL SERVICE CENTRE

VSS

Product card

Roof sandwich panel

SPR CORE PIR

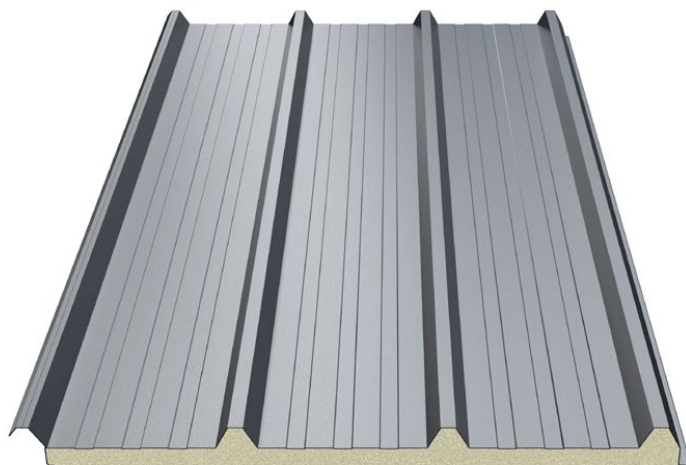**Scan the code
and learn more
about the product!**

Sandwich panels are high-performance products that meet the requirements of the modern construction market.

Our insulated panels are a suitable solution for the construction of roofs of industrial facilities and public utility buildings.
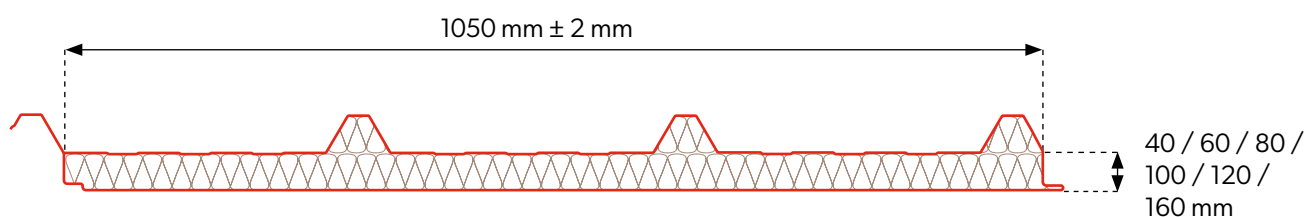
For the investor, it is a high quality product at a good price. For architects, it offers many possibilities in relation to the design intent. For construction managers, quick and easy installation. For construction supervision, friendly and transparent possibilities to verify the course of the entire process of construction execution from delivery until build acceptance.
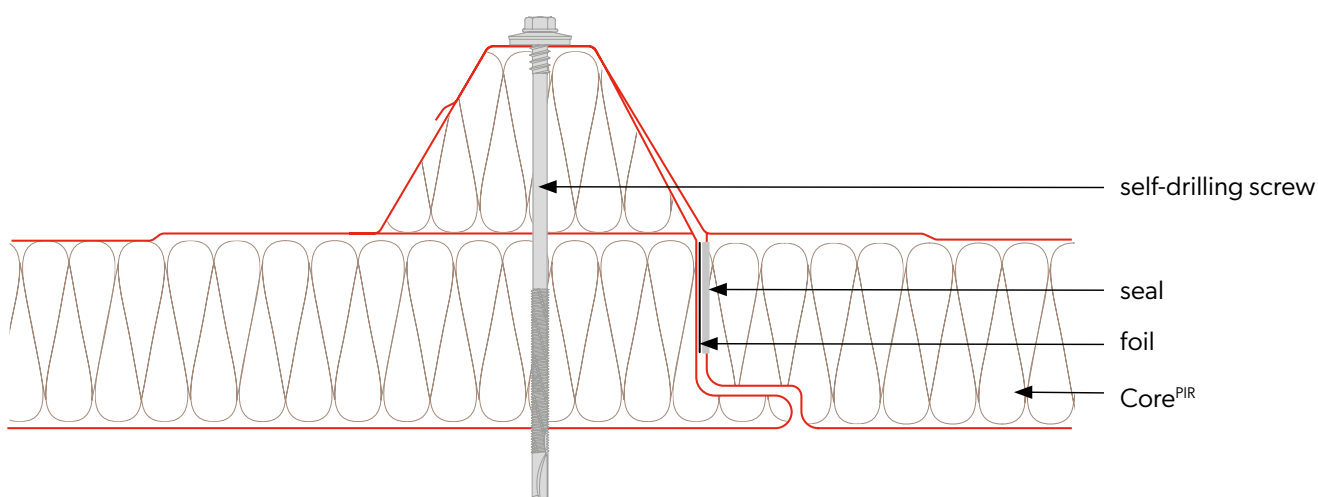
Technical information

Panel cross-section

1050 mm ± 2 mm

40 / 60 / 80 / 100 / 120 / 160 mm

Joining the panels

self-drilling screw

seal

foil

Core PIR

Technical information

Core	PIR					
Density [kg/m³]	40 ± 3					
PIR panel thickness [mm]	40	60	80	100	120	160
Weight [kg/m²]	9,6	10,4	11,2	12,0	12,8	14,8
Effective width [mm]	1050					
Total width [mm]	1127					
Min. panel length [m]	2,0					
Max. panel length [m]	15,0					
Outer/inner sheet thickness [mm]	0,3-0,7 / 0,3-0,7					
U-value [W/m²K]	0,55	0,37	0,28	0,22	0,18	0,14
Reaction to external fire on the roof	B_{ROOF} (t1)					
Fire spread degree	NRO					
Type of external / internal profiling	[T40] / [T1], [M], [F]					
External / internal corrosion resistance	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	fixing system, seals, flashings, rooflight SPR-SKY					

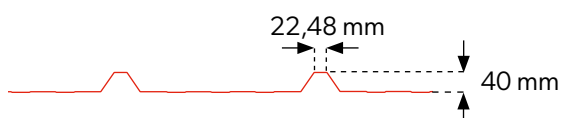Inner side with [INT] coating
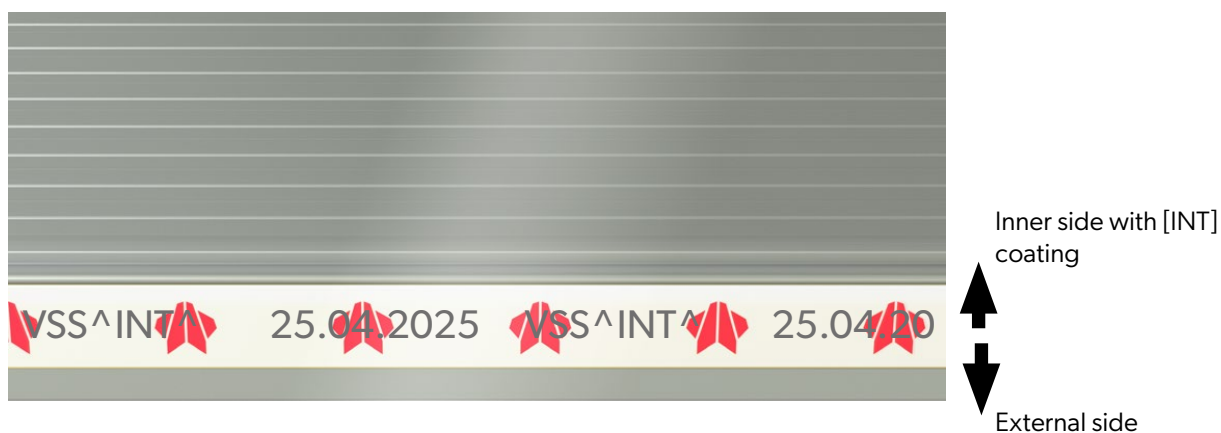
External side

NOTE! The arrows marked with the symbol **^INT^** on the panel lock point to the **inner side** of the sandwich panel with the **[INT] INTERIOR** coating.
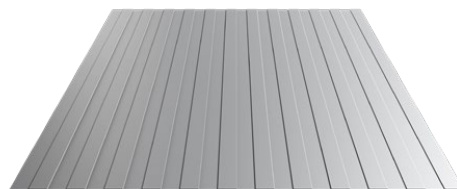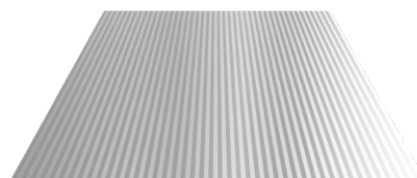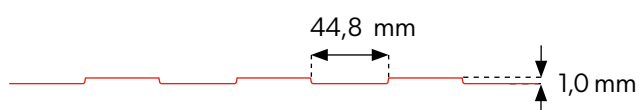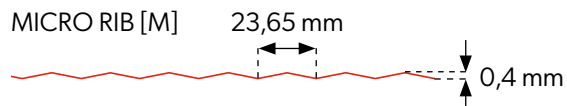
External profiling

TRAPEZOIDAL 40 [T40]

22,48 mm

40 mm
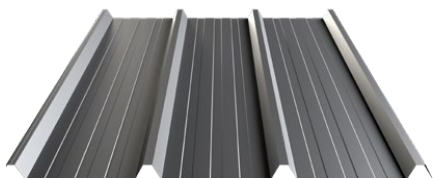
Internal profiling

TRAPEZOIDAL [T1]

44,8 mm

1,0 mm

MICRO RIB [M]   23,65 mm

0,4 mm

FLAT [F]

! ATTENTION! Due to the structure of sandwich panels with FLAT [F] profiles, the so-called effect may occur. „waves" of the sheet metal. This is a natural phenomenon for this type of products. We recommend contacting the technical de-partment to choose the optimal solution.

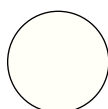**!** Internal and external profiling are available in any configuration.

Coatings and colors

POLIESTER Interior [INT] - Available colors for interior cladding

INT
9002

INT
9010

POLIESTER Standard [RAL] - Available colors for exterior cladding
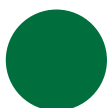
RAL
1002

RAL
1015

[0.7]
RAL
3000

RAL
3005

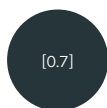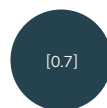RAL
3009

[0.7]
RAL
3011

[0.7]
RAL
5010

RAL
6005

RAL
6011

RAL
6020

RAL
6029

[0.7]
RAL
7016

[0.7]
RAL
7024

[0.7]
RAL
7035

RAL
8004

[0.7]
RAL
8017

RAL
8019

[0.6]
[0.7]
RAL
9002

RAL
9005

[0.6]
[0.7]
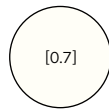RAL
9006

[0.7]
RAL
9007

[0.7]
RAL
9010

HERCULIT [HC]

HC 3009

HC 7016

HC 8004

HC 8017

HC 9005

MULTILAYER 40 [MLT] - Available colors for exterior cladding

[0.5]*
[0.6]
SL252
Winchester

[0.5]*
[0.6]
SL59
Dark Oak
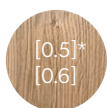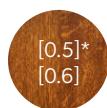
[0.5]*
[0.6]
SL65
Golden
Oak

! 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

STRUCTURAL
PROFILES

FLAT METAL
SHEETS

FLASHINGS

ACCESORIES

Roof Sandwich
PANELS

Wall Sandwich
PANELS

Facade cladding
SKRIN, LINEA

Uncoiling and slitting
SERVICES

Flat sheets and cutting
SERVICES

PERFORATION
of sheets

BP2

VSS

SOLROOF