Product card - **Roof sandwich panel**

SPR CORE WOOL

THE POWER OF ROOFS

BP2

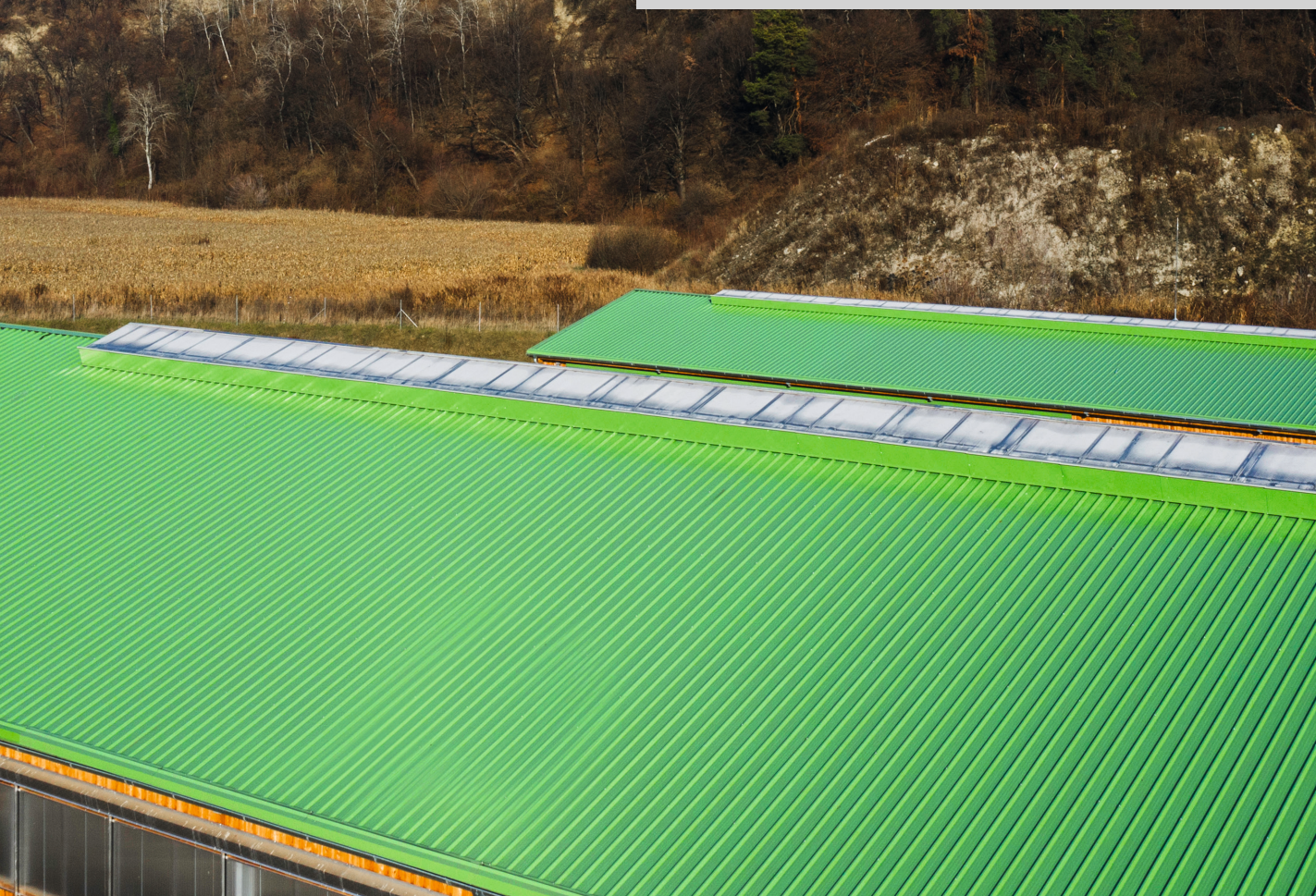# Product card

Roof sandwich panel

SPR CORE WOOL

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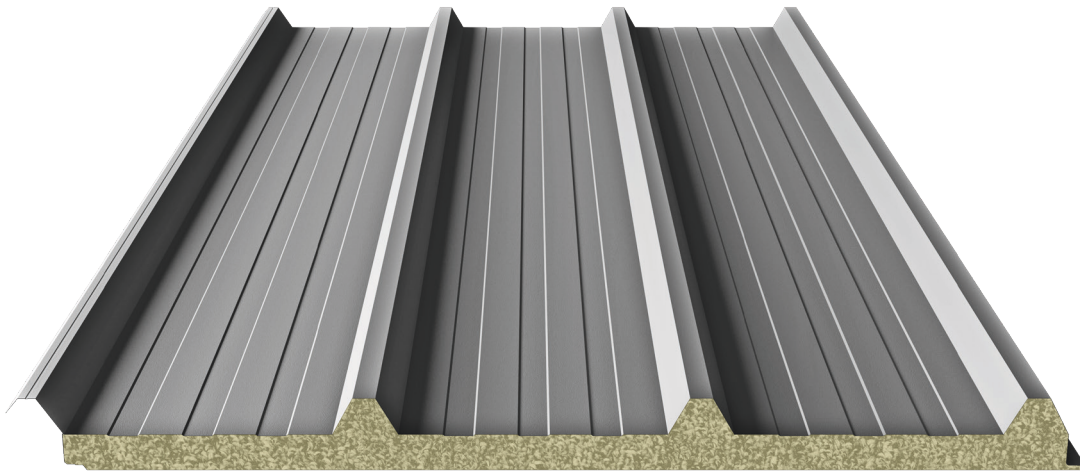and learn more
about the product!**

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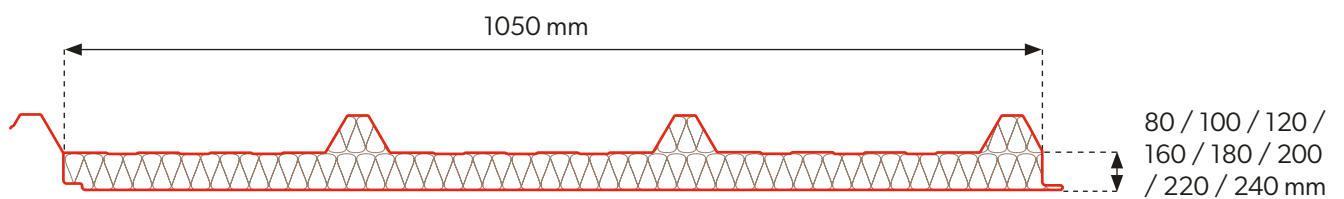
For the investor, it is a high quality product at a good price. For architects, it offers many possibilities in relation to the design intent. For construction managers, quick and easy installation. For construction supervision, friendly and transparent possibilities to verify the course of the entire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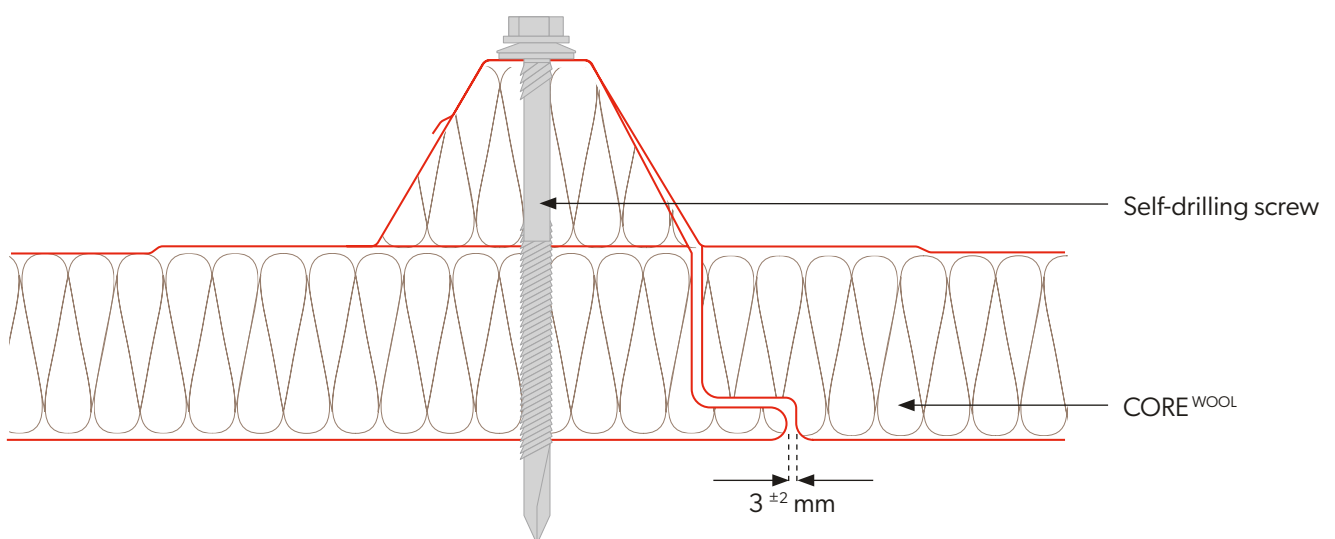
Technical information

Board cross-section

1050 mm

80 / 100 / 120 / 160 / 180 / 200 / 220 / 240 mm

Joining of panels

Self-drilling screw

CORE WOOL

3 ±2 mm

Technical information

| Core	WOOL							
Density [kg/m³]	100 ± 10							
PIR panel thickness [mm]	80	100	120	160	180	200	220	240
Weight [kg/m²]	17,8	19,8	21,8	25,8	27,8	29,8	31,8	33,8
Effective width [mm]	1050							
Total width [mm]	1127							
Min. panel length [mb]	2,5							
Max. panel length [mb]	13,5							
Outer/inner sheet thickness [mm]	0,5-0,7 / 0,5-0,7							
U-factor [W/m²K].	0,54	0,43	0,36	0,27	0,24	0,22	0,20	0,18
Reaction to fire	A1							
Wall resistance to external fire	REI60	REI120	REI120	REI120	REI120	REI120	REI120	REI120
Type of profiling ext. / int.	[T40] / [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]
120	1050	11	4	1220	2440	12	554
140	1050	9	4	1200	2400	12	454
160	1050	8	4	1220	2440	12	403
200	1050	8	4	1180	2360	12	403
220	1050	5	4	1120	2240	12	252
240	1050	4	4	1220	2440	12	202
260	1050	4	4	1060	2120	12	202
280	1050	4	4	1140	2280	12	202

External profiling

TRAPEZOIDAL 40 [T40]

22,48 mm

40 mm
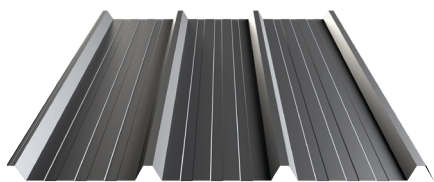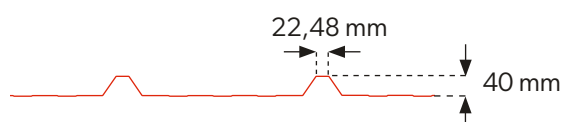
Internal profiling

TRAPEZOIDAL [T]

44,70 mm

0,4 mm

MICRO RIB [M]   23,65 mm
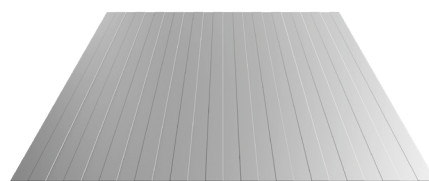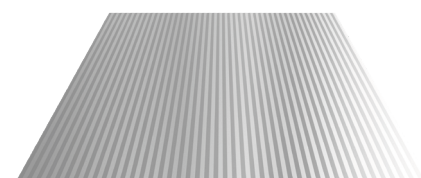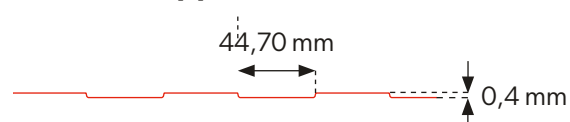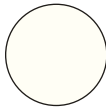
0,4 mm
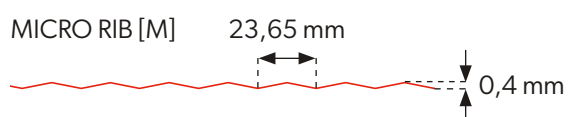
FLAT [F]

⚠ 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]
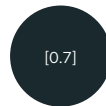
RAL 9010 [0.7]

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**