



Product card - **Roof**  
**sandwich panel**

**SPR CORE<sup>PIR</sup>**

**THE POWER OF ROOFS**





# Product card

## Roof sandwich panel

**SPR CORE<sup>PIR</sup>**

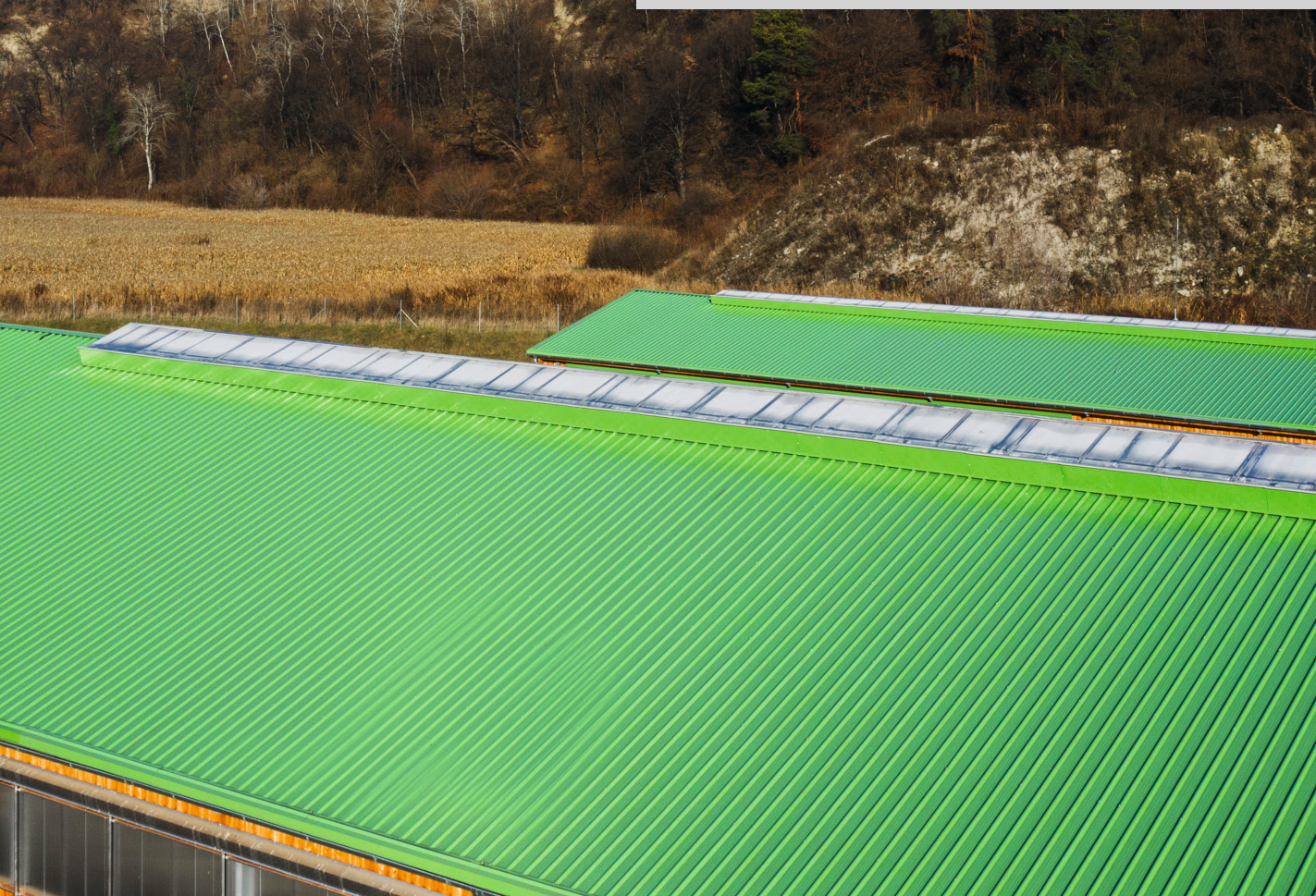


Scan the code  
and learn more  
about the product!

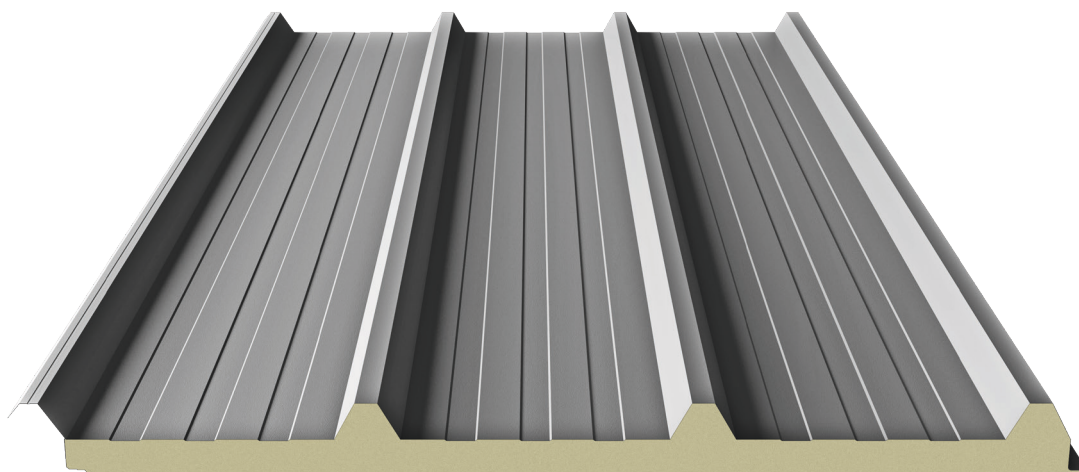
Sandwich panels are high-performance products that meet the requirements of the modern construction market.

Our insulated panels are a suitable solution for the construction of roofs of industrial facilities and public utility buildings.

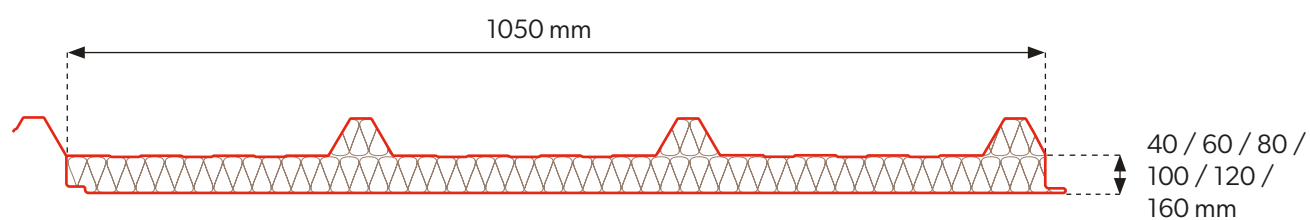
For the investor, it is a high quality product at a good price. For architects, it offers many possibilities in relation to the design intent. For construction managers, quick and easy installation. For construction supervision, friendly and transparent possibilities to verify the course of the entire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



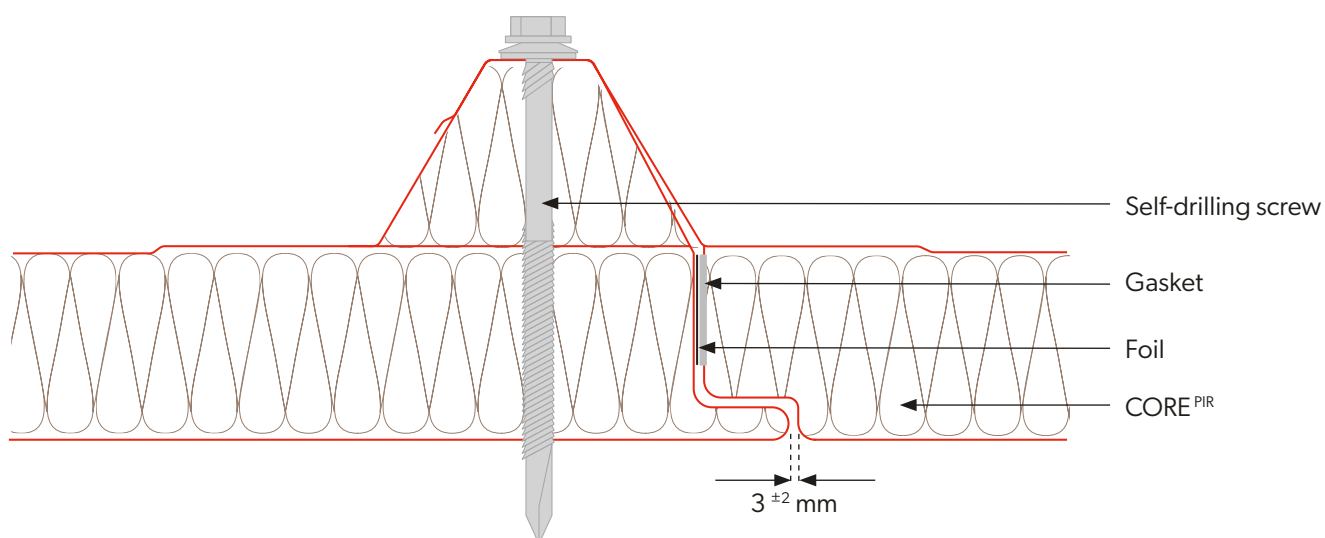
# Technical information



## Board cross-section



## Joining of panels





## Technical information

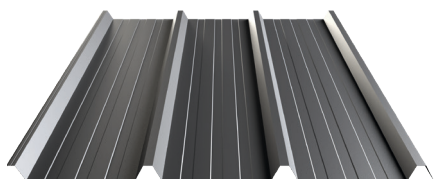
Core	<b>PIR</b>					
Density [kg/m <sup>3</sup> ]	<b>40 ± 3</b>					
PIR panel thickness [mm]	<b>40</b>	<b>60</b>	<b>80</b>	<b>100</b>	<b>120</b>	<b>160</b>
Weight [kg/m <sup>2</sup> ]	<b>9,8</b>	<b>10,6</b>	<b>11,5</b>	<b>12,3</b>	<b>13,2</b>	<b>14,8</b>
Effective width [mm]	<b>1050</b>					
Total width [mm]	<b>1127</b>					
Min. panel length [mb]	<b>2,5</b>					
Max. panel length [mb]	<b>13,5</b>					
Outer/inner sheet thickness [mm]	<b>0,4-0,7 / 0,4-0,7</b>					
U-factor [W/m <sup>2</sup> K].	<b>0,55</b>	<b>0,37</b>	<b>0,28</b>	<b>0,22</b>	<b>0,18</b>	<b>0,14</b>
Reaction to fire	<b>B-s1,d0</b>					
Wall resistance to external fire	<b>REI15</b>	<b>REI20</b>	<b>REI30</b>	<b>REI45</b>	<b>REI45</b>	<b>REI45</b>
Type of profiling ext. / int.	<b>[T40] / [M], [T], [F]</b>					
Corrosion resistance ext. / ext.	<b>C1, C2, C3 (C4 ÷ C5) / A1 (A2 ÷ A5)</b>					
Standard coatings	<b>Poliester Interior [INT], Poliester Standard [RAL], HERCULIT [HC], MULTILAYER 40 [MLT]</b>					
Special coatings	<b>PVDF, PUR, PVC (P), PVC (F) - FoodSafe</b>					
Accessories	<b>Fastening system, gaskets, flashings, lighting profiles</b>					

## Packaging of sandwich panels

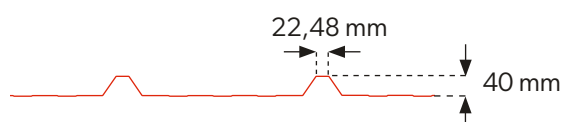
Panel thickness [mm]	Modular width [mm]	Quantity of panels in a package	Quantity of packages per vehicle	Package height [mm]	Package weight [kg]	Maximum loading length [m]	Quantity of panels per vehicle [m <sup>2</sup> ]
<b>40</b>	<b>1050</b>	<b>20</b>	<b>4</b>	<b>1300</b>	<b>2600</b>	<b>12</b>	<b>1008</b>
<b>60</b>	<b>1050</b>	<b>10</b>	<b>6</b>	<b>900</b>	<b>2700</b>	<b>12</b>	<b>756</b>
<b>80</b>	<b>1050</b>	<b>12</b>	<b>4</b>	<b>1300</b>	<b>2600</b>	<b>12</b>	<b>605</b>
<b>100</b>	<b>1050</b>	<b>10</b>	<b>4</b>	<b>1300</b>	<b>2600</b>	<b>12</b>	<b>504</b>
<b>120</b>	<b>1050</b>	<b>8</b>	<b>4</b>	<b>1220</b>	<b>2440</b>	<b>12</b>	<b>403</b>
<b>160</b>	<b>1050</b>	<b>6</b>	<b>4</b>	<b>1180</b>	<b>2360</b>	<b>12</b>	<b>302</b>



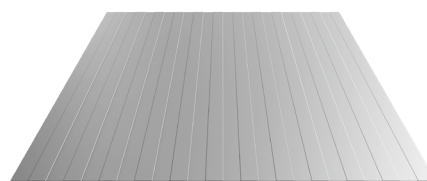
## External profiling



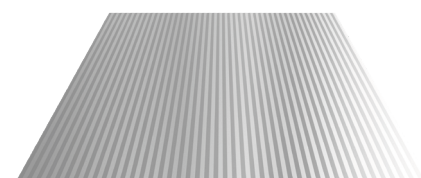
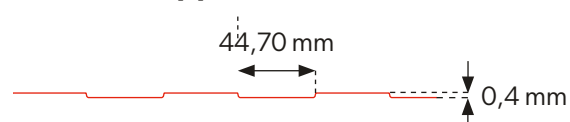
TRAPEZOIDAL 40 [T40]



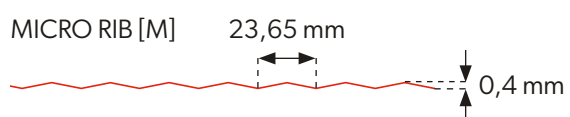
## Internal profiling



TRAPEZOIDAL [T]



MICRO RIB [M]



FLAT [F]



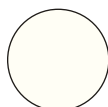
Internal and external profiling are available in any configuration.

## 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



RAL  
3005



RAL  
3009



RAL  
3011



RAL  
5010



RAL  
6005



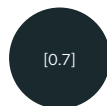
RAL  
6011



RAL  
6020



RAL  
6029



RAL  
7016



RAL  
7024



RAL  
7035



RAL  
8004



RAL  
8017



RAL  
8019



RAL  
9002



RAL  
9005



RAL  
9006



RAL  
9007



RAL  
9010

### **HERCULIT [HC]**



HC 3009



HC 7016



HC 8004



HC 8017



HC 9005

### **MULTILAYER 40 [MLT]** - Available colors for exterior cladding



SL252  
Winchester



SL55  
Venge



SL59  
Dark Oak



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
POLYESTER Interior [INT]	15 µm	RA2	Not applicable
POLYESTER 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 &  
**PROSYSTEM**



Uncoiling and slitting  
**SERVICES**



Flat sheets and cutting  
**SERVICES**



**PERFORATION**  
of sheets

