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

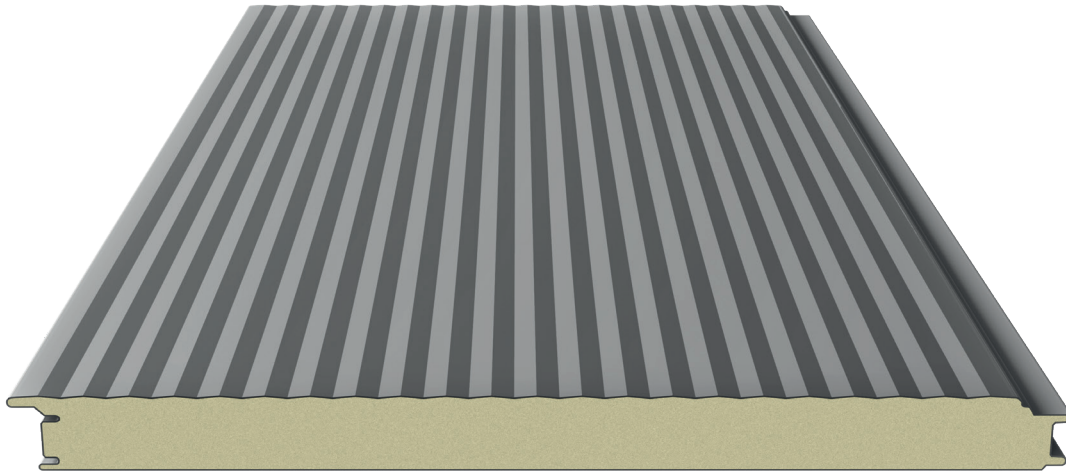**SPW-H CORE** <sup>PIR</sup>

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

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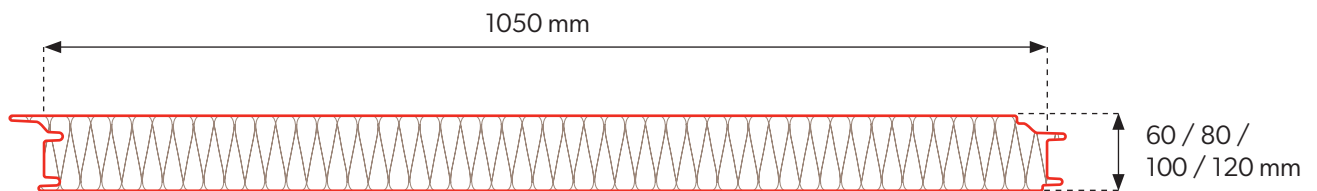
Suitable for the construction of exterior and interior wall claddings and ceilings of industrial or public utility facilities.

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.
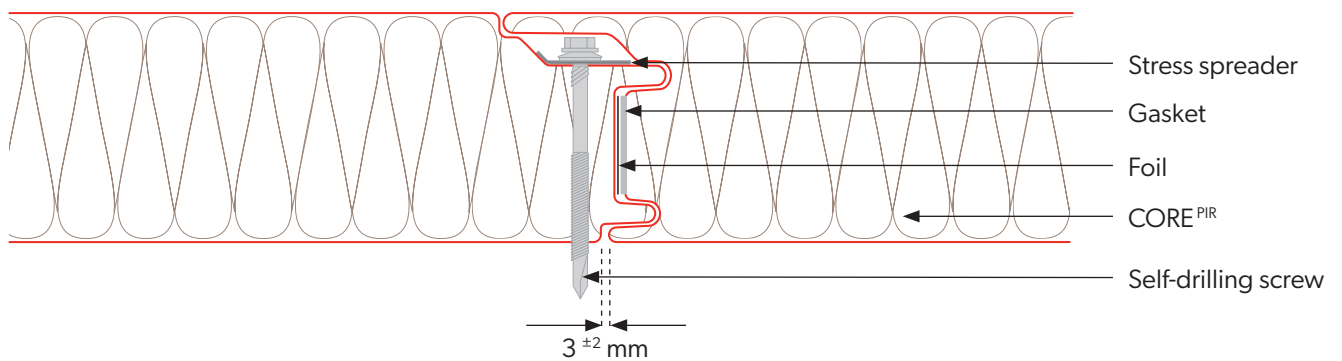
# Technical information



## Board cross-section



1050 mm

60 / 80 / 100 / 120 mm

## Joining of panels



Stress spreader

Gasket

Foil

CORE PIR

Self-drilling screw

$3^{\pm2}$ mm

# Technical information

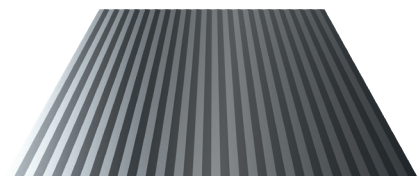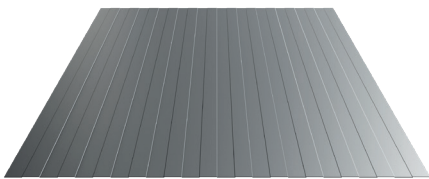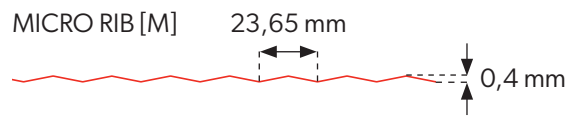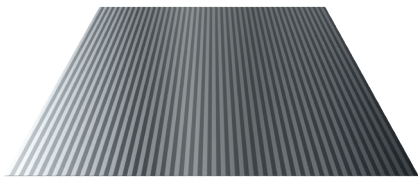| Core | PIR | | | |
|---|---|---|---|---|
| Density [kg/m³] | 40 ± 3 | | | |
| PIR panel thickness [mm] | 60 | 80 | 100 | 120 |
| Weight [kg/m²] | 9,5 | 10,3 | 11,1 | 11,9 |
| Effective width [mm] | 1050 | | | |
| Total width [mm] | 1102 | | | |
| Min. panel length [m] | 2,0 | | | |
| Max. panel length [m] | 15,0 | | | |
| Outer/inner sheet thickness [mm] | 0,4-0,7 / 0,4-0,7 | | | |
| U-value [W/m²K] | 0,37 | 0,28 | 0,22 | 0,18 |
| Fire spread degree | NRO | | | |
| Type of external / internal profiling | [M], [T], [R], [F] / [M], [T], [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 | | | |

# Packaging of sandwich panels

| Panel thickness [mm] | Modular width [mm] | Number of panels per pack [pcs] | Number of packages on a vehicle [pcs] | Maximum package height [mm] | Package height [mm] | Panel weight [kg/m2] | Weight of 1 package [kg] | Surface area of panels [m2/car]** |
|---|---|---|---|---|---|---|---|---|
| 60 | 1050 | 13 | 6 | 880 | 2640 | 9,5 | 1750,6 | 1105,7 |
| 80 | 1050 | 15 | 4 | 1300 | 2600 | 10,3 | 2190,0 | 850,5 |
| 100 | 1050 | 12 | 4 | 1300 | 2600 | 11,1 | 1888,1 | 680,4 |
| 120 | 1050 | 10 | 4 | 1300 | 2600 | 11,9 | 1686,8 | 567,0 |

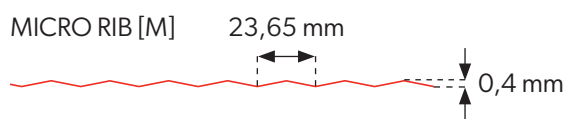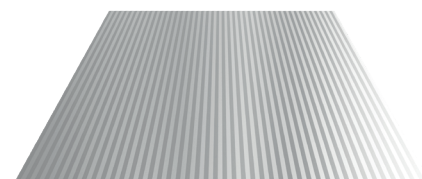! ** Surface area of panels on car calculated for panel lengths of 13.5 m.

# 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

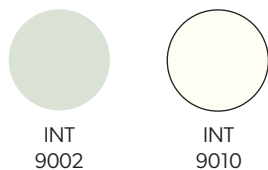0,4 mm



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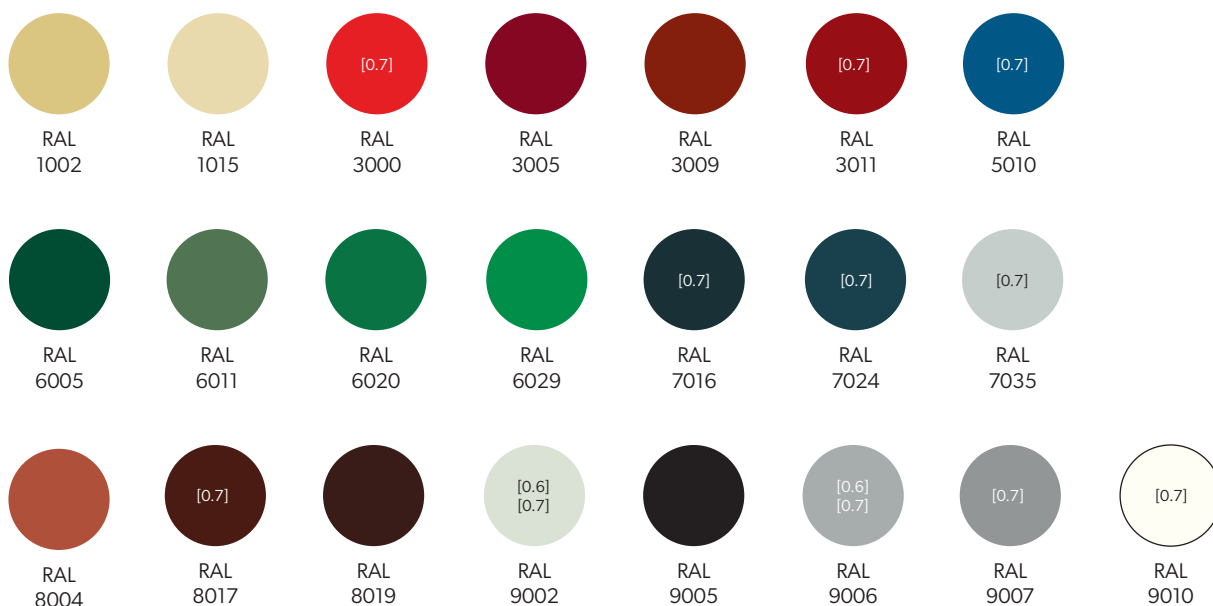
0,4 mm
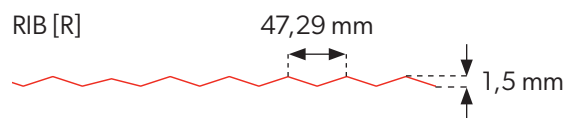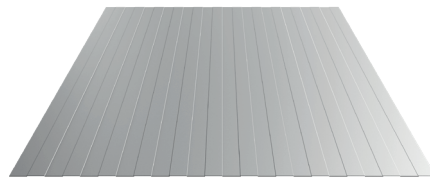


FLAT [F]

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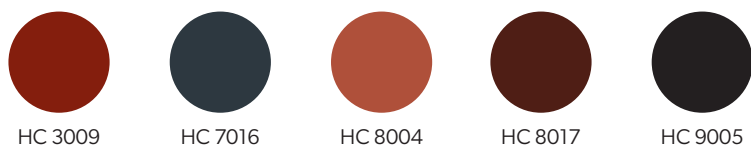
**MULTILAYER 40 [MLT]** - Available colors for exterior cladding

| 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**