EN

SANDWICH PANEL

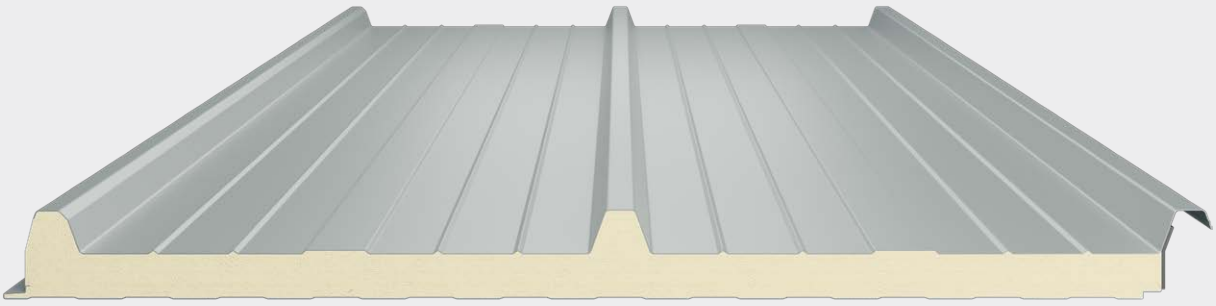
INSULATED PANEL SYSTEMS FOR ARCHITECTURE CONSTRUCTION AND COLD STORAGE CHAMBERS

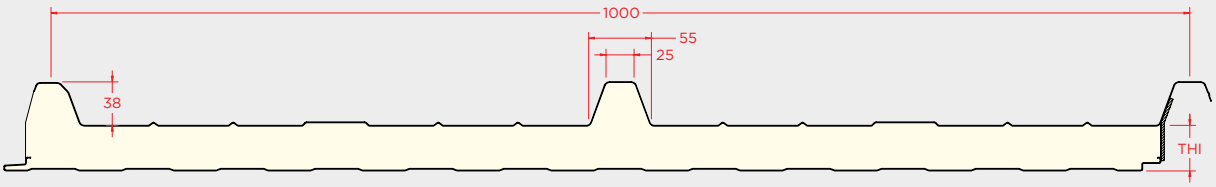
FELIZ
PAINEL

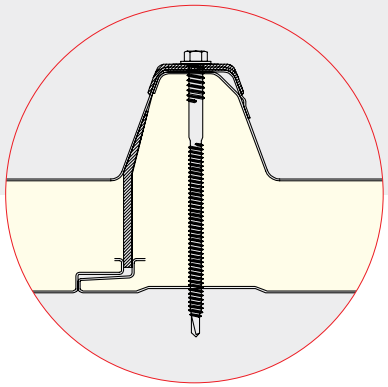
Topcover 3

3 wave roof panel

CE
EN 14509







Description/Application
Insulation panel consisting of two profiled metal sheets joined by a rigid polyurethane (PUR) or polyisocyanurate (PIR) foam core.
Economical and efficient 3 wave panel solution for roofs with a minimum slope of 5%.
Product manufactured according to EN 14509 and subject to performance assessment and verification according to system 1.

Characteristics
Dimensions*
Thicknesses: 30–40–50–60–80–100 mm ±2 mm
Thicknesses: 120–150 mm ±2%
Width: 1000 mm ±2 mm
Length: 4,00 — 20,00 m ±10 mm
Maximum recommended length: 13,00 m

Metallic support
Steel grade S250GD, EN 10346
Organic coating lacquered coils: EN 10169+A1
Thicknesses: 0,4–0,5–0,6 mm

Insulated core
Polyurethane (PUR) | Polysocyanurate (PIR)
Thermal conductivity:
PUR 0,0207 W/m °C
PIR 0,0207 W/m °C
Density: 40 kg/m³
Reaction to fire: EN 13501-1
PUR B-s2,d0
PIR B-s2,d0
PIR-HI B-s1,d0

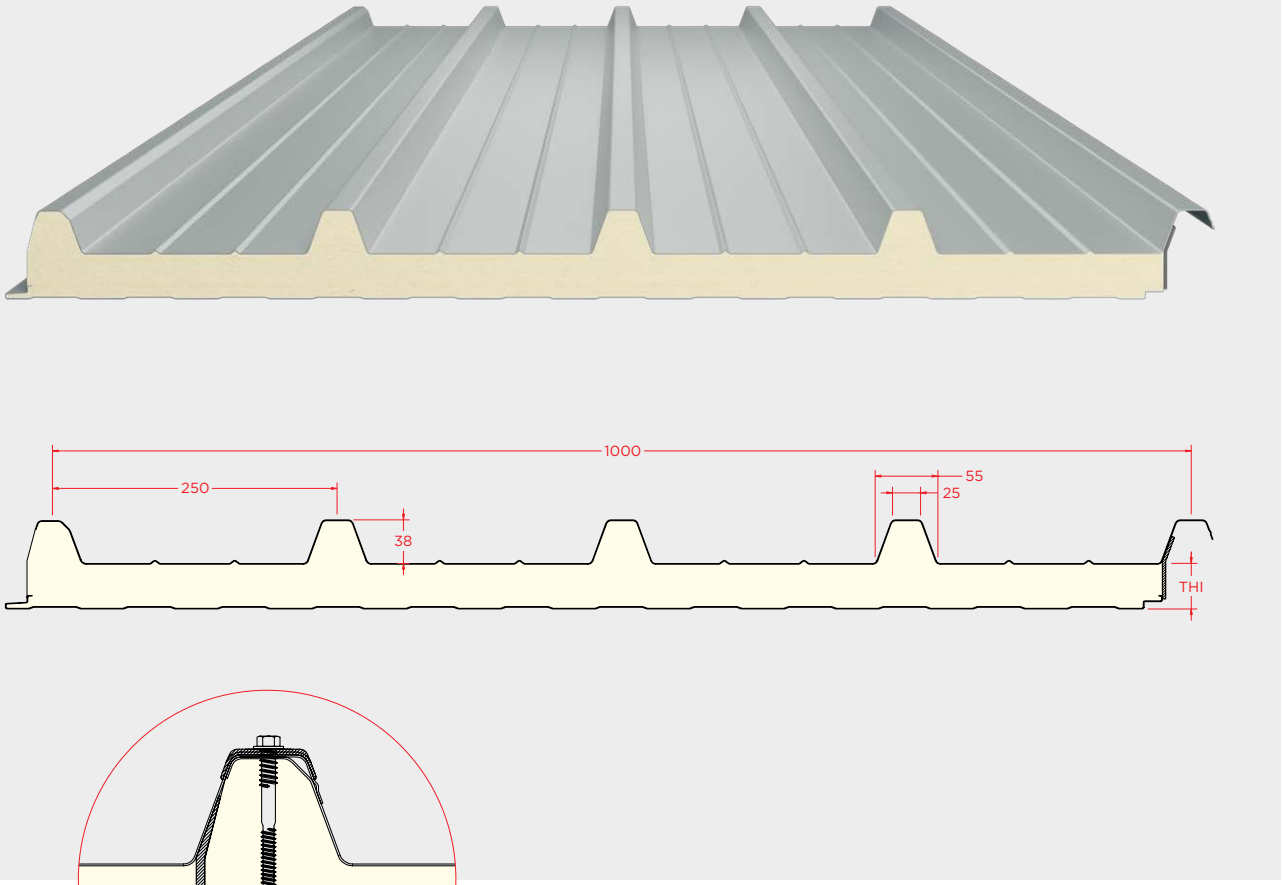
Coating
Standard: Polyester paint 25 µm
Specials: Granite HDX 55 µm | PVDF 35 µm

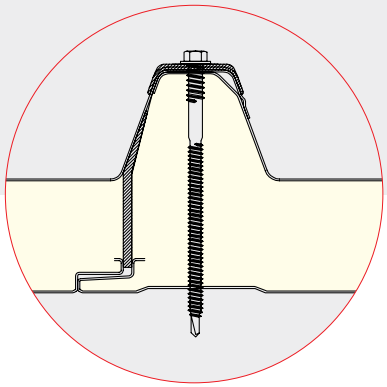
**Tolerances according to EN 14509 standard*
W/m K = W/m °C | W/m² K = W/m² °C

Topcover 5

5 wave roof panel

EN 14509





Description/Application
Insulating panel made of two profiled metal sheets, joined by a rigid polyurethane (PUR) or polycyanurate (PIR) foam core.
The most resistant and efficient solution in a 5 wave panel for minimum coverage of 5%.
Product manufactured in accordance with the EN 14509 standard and subject to validation and verification of regularity of performance in accordance with system 1.

Characteristics
Dimensions*
Thicknesses: 30–40–50–60–80–100 mm ±2 mm
Thicknesses: 120–150 mm ±2%
Width: 1000 mm ±2 mm
Length: 4,00 — 20,00 m ±10 mm
Maximum recommended length: 13,00 m

Metallic support
Steel grade S250GD, EN 10346
Organic coating lacquered coils: EN 10169+A1
Thicknesses: 0,4–0,5–0,6 mm

Insulated core
Polyurethane (PUR) | Polysocyanurate (PIR)
Thermal conductivity:

PUR	0,0207 W/m °C
PIR	0,0207 W/m °C

Density: 40 kg/m³
Reaction to fire: EN 13501-1

PUR	B-s2,d0
PIR	B-s2,d0
PIR-HI	B-s1,d0

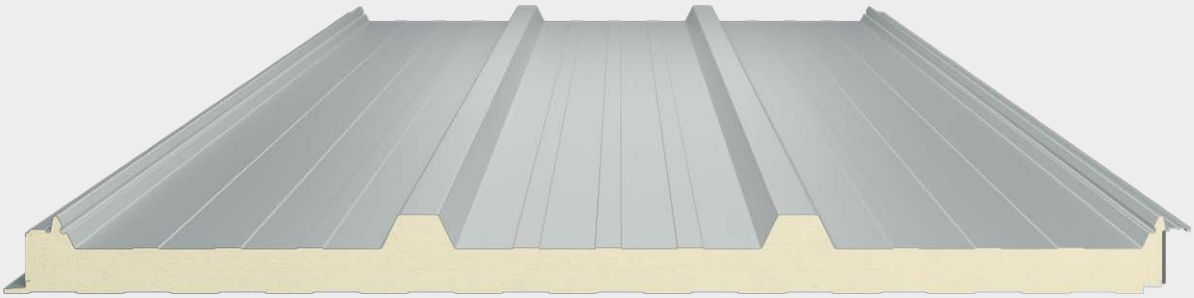
Coating
Standard: Polyester paint 25 µm
Specials: Granite HDX 55 µm | PVDF 35 µm

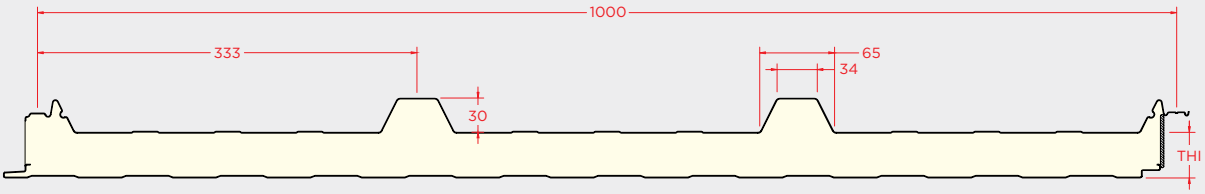
**Tolerances according to EN 14509 standard*
W/m K = W/m °C | W/m² K = W/m² °C

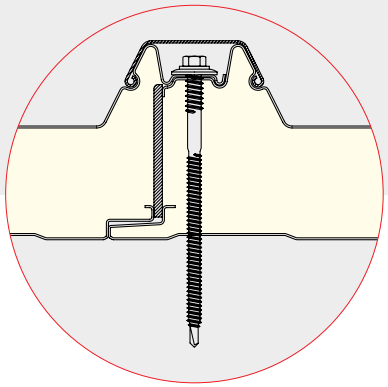
Topcover Cap

Roof panel with joint caps

EN 14509







Description/Application
Panel with hidden fixing using joint covers for roofs with a minimum slope of 5%.
A durable and aesthetically pleasing solution with protection for fasteners.
Insulating panel composed of two profiled metal sheets, joined by a rigid polyurethane (PUR) or polyisocyanurate (PIR) foam core.
Product manufactured in accordance with EN 14509 and subject to evaluation and verification of performance regularity in accordance with system 1.

Characteristics
Dimensions*
Thicknesses: 30–40–50–60–80–100 mm ±2 mm
Width: 1000 mm ±2 mm
Length: 4,00 — 20,00 m ±10 mm
Maximum recommended length: 13,00 m

Metallic support
Steel grade S250GD, EN 10346
Organic coating lacquered coils: EN 10169+A1
Thicknesses: 0,4–0,5–0,6 mm

Insulated core
Polyurethane (PUR) | Polysocyanurate (PIR)
Thermal conductivity:

PUR	0,0207 W/m °C
PIR	0,0207 W/m °C

Density: 40 kg/m³
Reaction to fire: EN 13501-1

PUR	B-s2,d0
PIR	B-s2,d0
PIR-HI	B-s1,d0

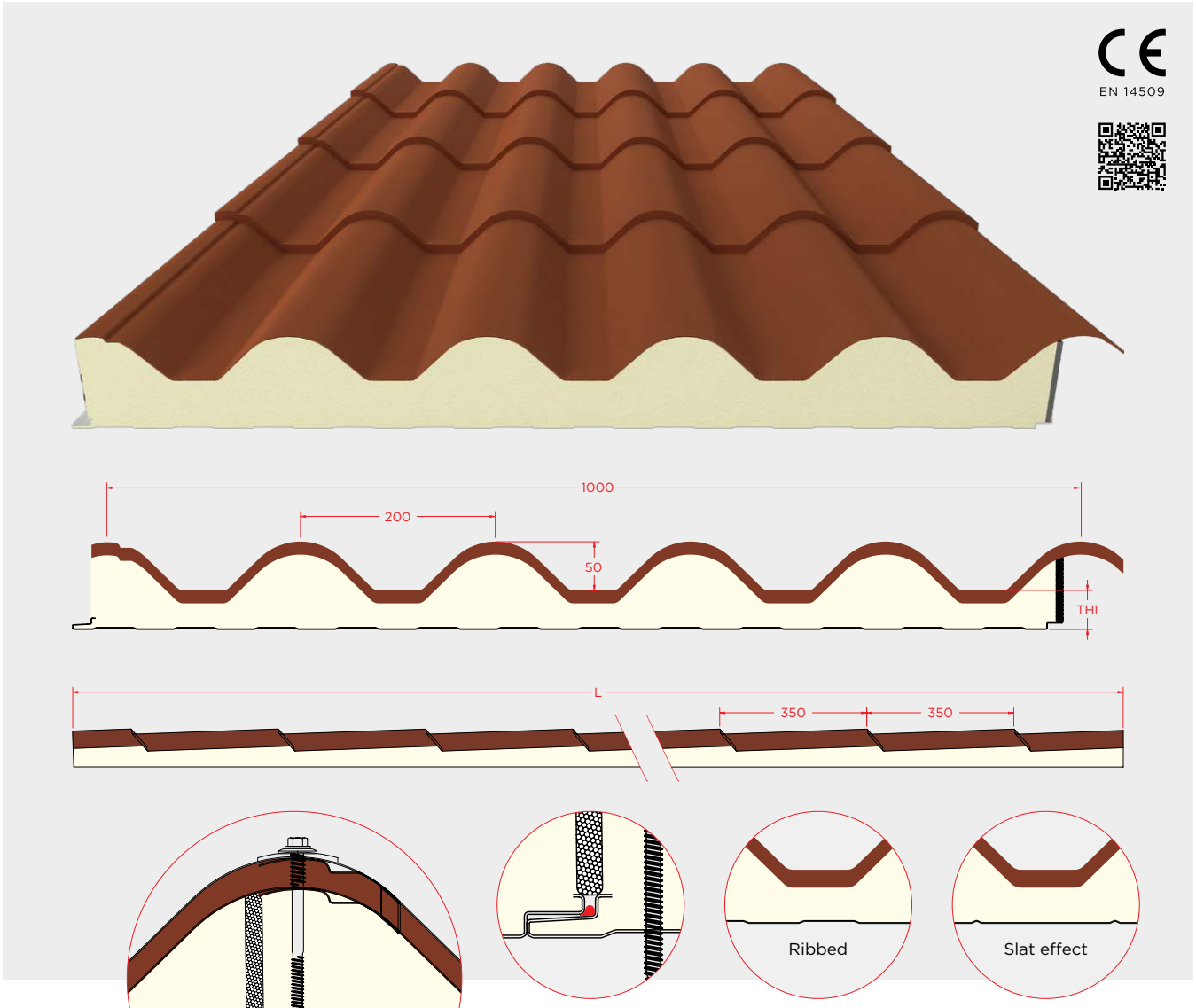
Coating
Standard: Polyester paint 25 µm
Specials: Granite HDX 55 µm | PVDF 35 µm

**Tolerances according to EN 14509 standard*
W/m K = W/m °C | W/m² K = W/m² °C

Topcover Tile

Tile shaped roof panel

EN 14509



Description/Application
Panel with the shape of a traditional tile for roofs with a minimum slope of 10%.
Insulating product composed of two profiled metal sheets, joined by an insulating core made of rigid polyurethane (PUR) or polyisocyanurate (PIR) foam.
The exterior panel has a textured paint finish for a greater resemblance to traditional tiles.
In harsher environments, it is recommended to apply silicone to the panel joint to prevent condensation.

Characteristics
Dimensions*
Thicknesses: 40–60–80 mm ±2 mm
Width: 1000 mm ±2 mm
Length: 2,10 — 14,00 m, in multiples of 0,35 m
Maximum recommended length: 8,05 m

Metallic support
Steel grade S250GD, EN 10346
Thicknesses: 0,4–0,5–0,6 mm

Insulated core
Polyurethane (PUR) | Polysocyanurate (PIR)
Thermal conductivity:

PUR	0,0207 W/m °C
PIR	0,0207 W/m °C

Density: 40 kg/m³
Reaction to fire:

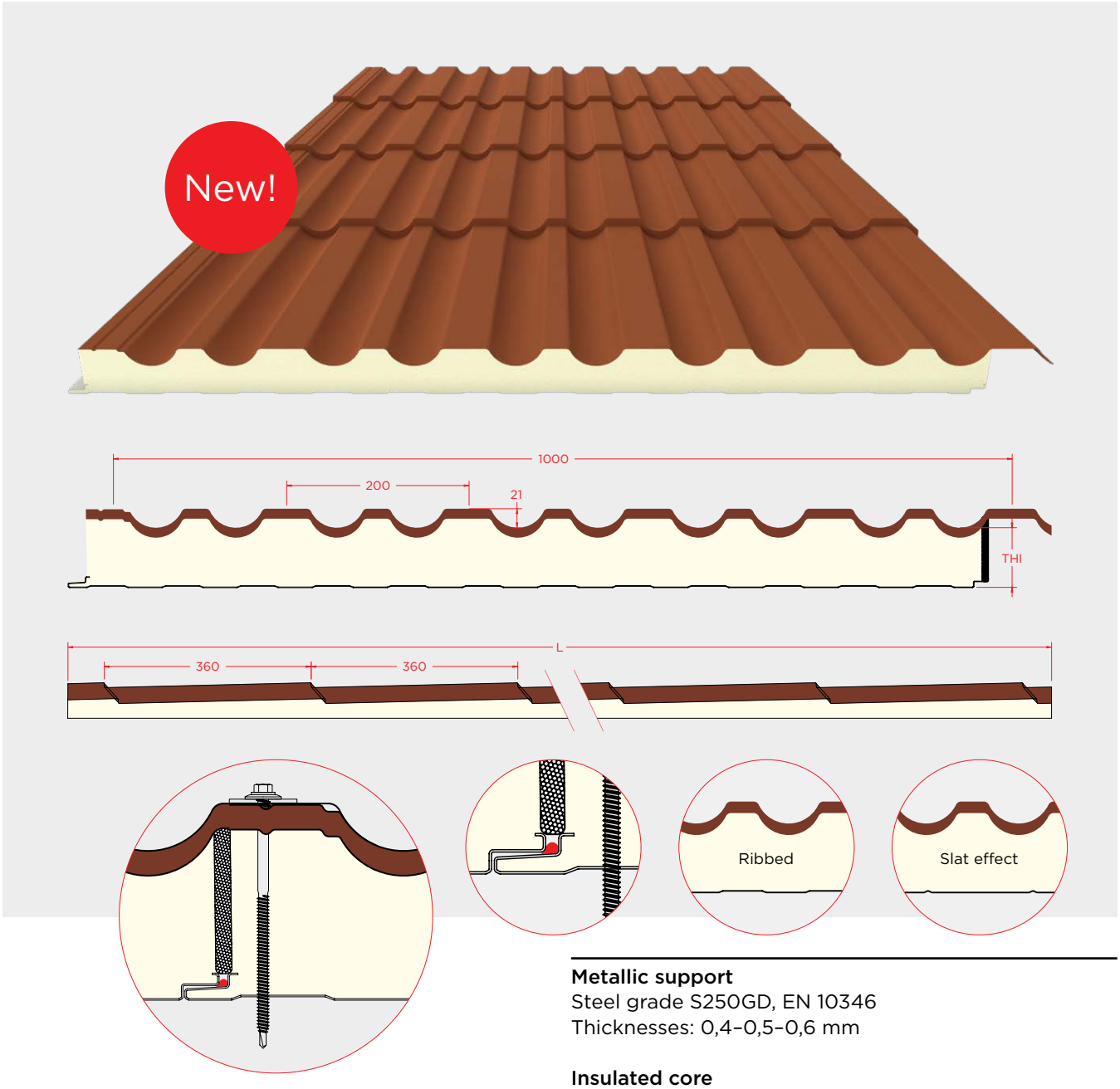
PUR	B-s2,d0
PIR	B-s2,d0
PIR-HI	B-s1,d0

Coating
Standard: Polyester paint texturada 25 µm.
Special: Granite HDX 55 µm | Naive Wood textured color for the interior.
Option for metallic coating in lacquered aluminum.

**Tolerances according to EN 14509 standard*
W/m K = W/m °C | W/m² K = W/m² °C

Topcover Tile Marselha

Tile shaped roof panel



Description/Application
Panel with the shape of a traditional tile for roofs with a minimum slope of 10%.
Insulating product composed of two profiled metal sheets, joined by an insulating core made of rigid polyurethane (PUR) or polyisocyanurate (PIR) foam.
The exterior panel has a textured paint finish for a greater resemblance to traditional tiles.
In harsher environments, it is recommended to apply silicone to the panel joint to prevent condensation.

Characteristics
Dimensions*
Thicknesses: 40–60–80 mm ±2 mm
Width: 1000 mm ±2 mm
Length: 2,10 — 14,00 m, in multiples of 0,35 m
Maximum recommended length: 8,05 m

Metallic support
Steel grade S250GD, EN 10346
Thicknesses: 0,4–0,5–0,6 mm

Insulated core
Polyurethane (PUR) | Polysocyanurate (PIR)
Thermal conductivity:

PUR	0,0207 W/m °C
PIR	0,0207 W/m °C

Density: 40 kg/m^3
Reaction to fire:

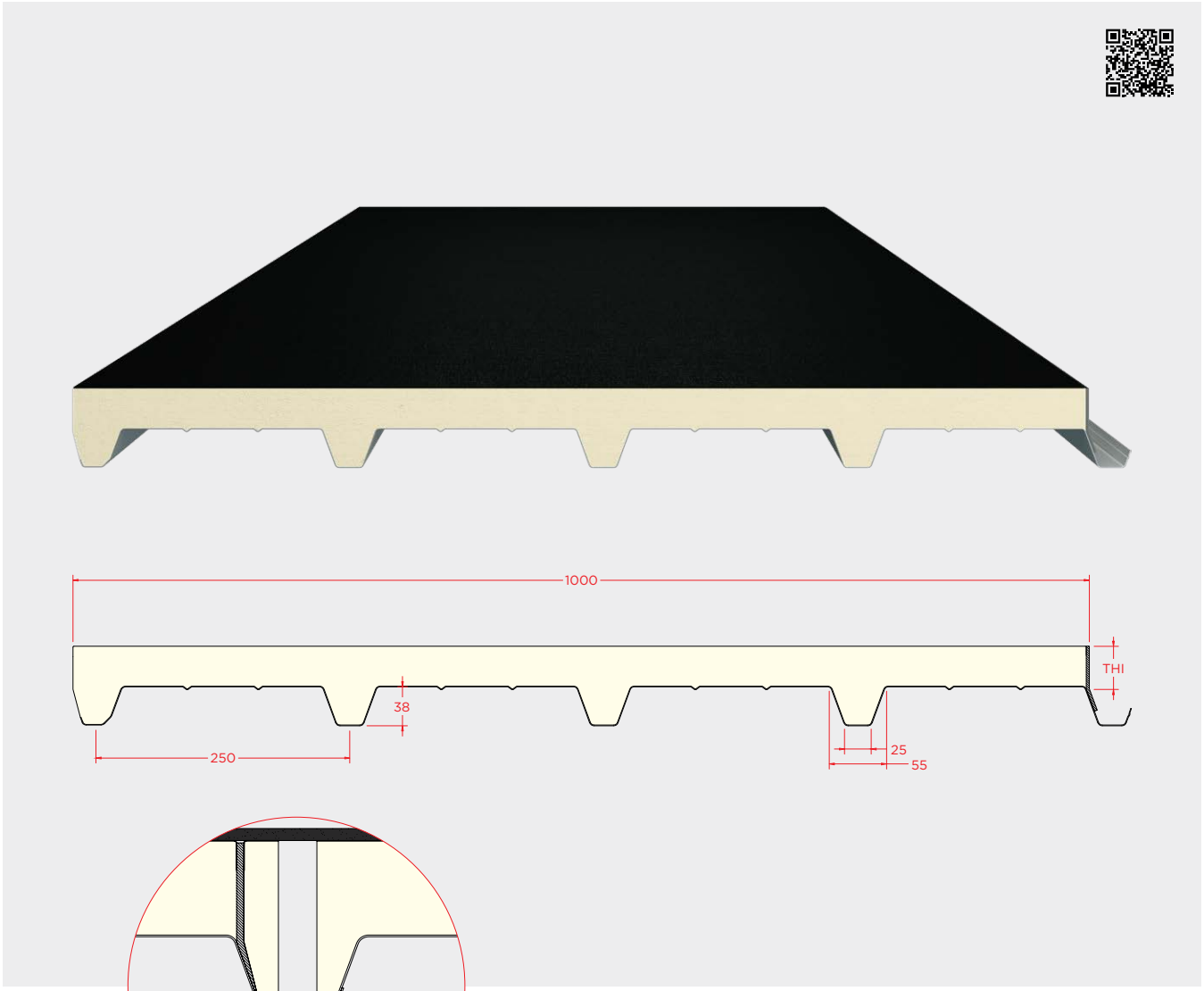
PUR	B-s2,d0
PIR	B-s2,d0
PIR-HI	B-s1,d0

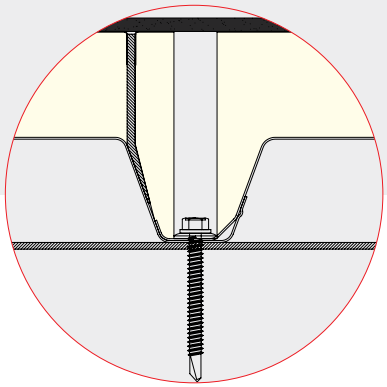
Coating
Standard: Polyester paint texturada 25 µm.
Special: Granite HDX 55 µm | Naive Wood textured color for the interior.
Option for metallic coating in lacquered aluminum.

**Tolerances according to EN 14509 standard*
W/m K = W/m °C | W/m² K = W/m² °C

Topcover Deck

Deck roof panel





Description/Application
Deck panel for flat roofs with an outer surface made of felt cardboard.
The system must be waterproofed in situ with bituminous or PVC membrane.
Insulating product with an internal profiled metal sheet and an external flexible sheet joined by a rigid polyurethane foam core.

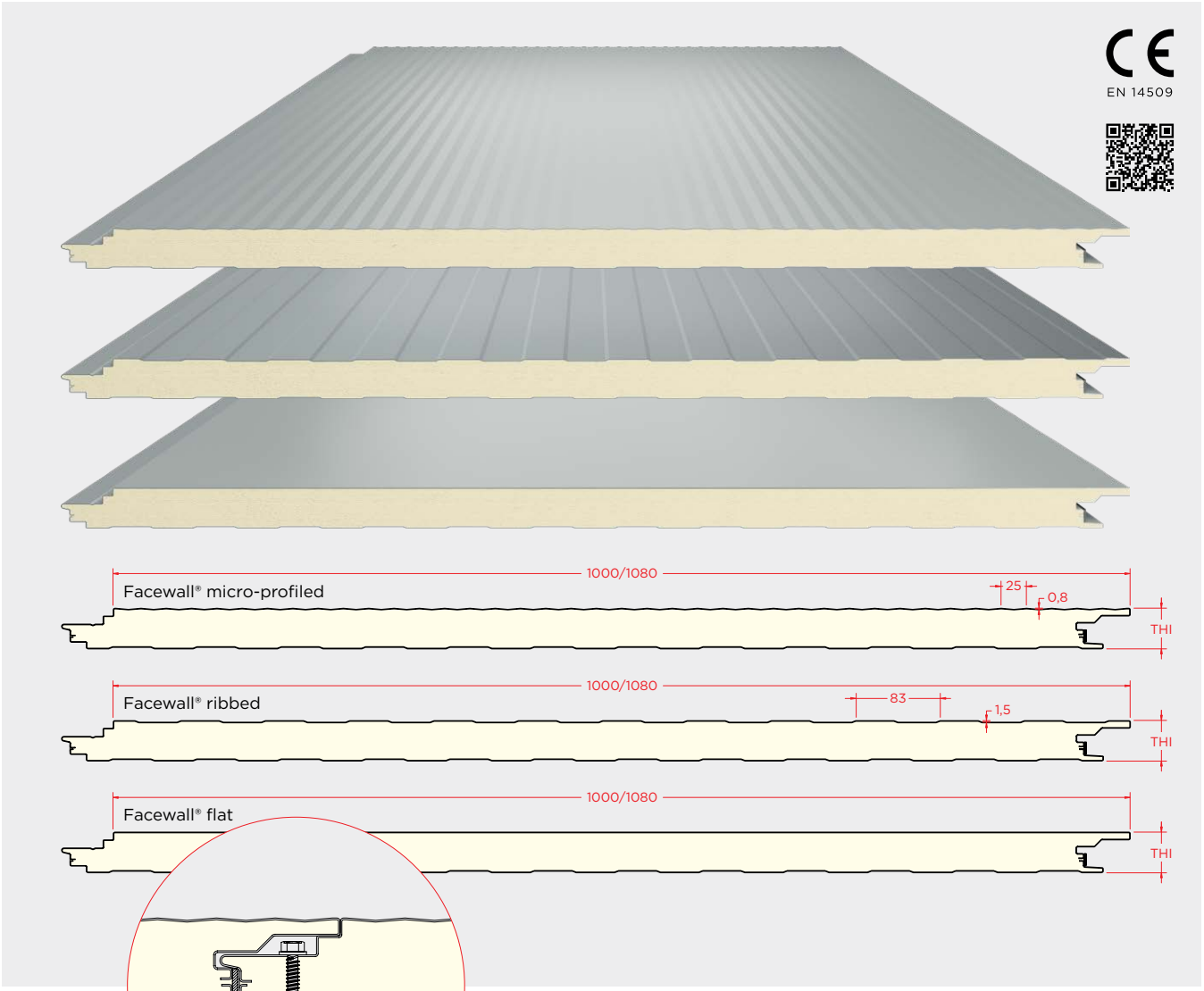
Characteristics
Dimensions*
Thicknesses: 30–40–50–60–80–100 mm ±2 mm
Width: 1000 mm ±2 mm
Length: 4,00 — 18,00 m ±10 mm

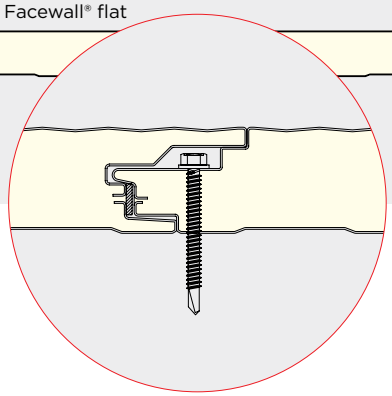
Metallic support
Steel grade S250GD, EN 10346
Organic coating lacquered coils: EN 10169+A1
Thicknesses: 0,5–0,6–0,7 mm

Insulated core
Polyurethane (PUR)
Thermal conductivity: 0,020 W/m °C
Density: 40 kg/m³
Reaction to fire: F

Coating
Felt paper on the external side.
Polyester paint 25 µm on the internal side.

**Tolerances according to EN 14509 standard*
W/m K = W/m °C | W/m² K = W/m² °C





Description/Application
Insulating panel composed of two profiled metal sheets, joined by a rigid polyurethane (PUR) or polyisocyanurate (PIR) foam core.
Facade panel with hidden fastening, available with ribbed, micro-profiled, or flat surfaces.
Product manufactured in accordance with EN 14509 and subject to evaluation and verification of performance regularity in accordance with system 1.

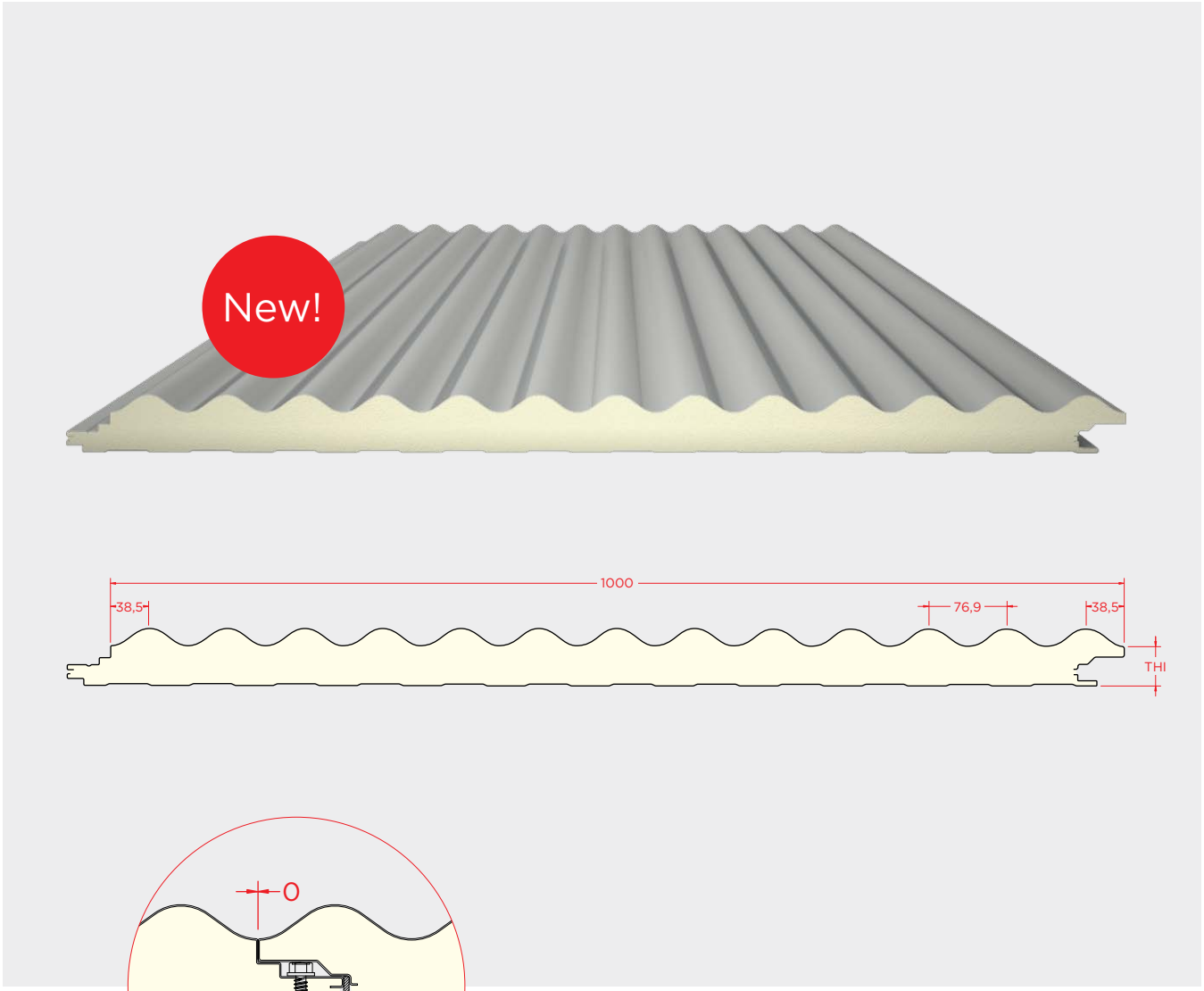
Characteristics
Dimensions*
Thicknesses: 40–50–60–80–100 mm ±2 mm
Width: 1000 — 1080 mm ±2 mm
Length: 4,00 — 14,00 m ±10 mm
Maximum recommended length: 8,00 m

Metallic support
Steel grade S250GD, EN 10346
Organic coating lacquered coils: EN 10169+A1
Thicknesses: 0,5–0,6 mm

Insulated core
Polyurethane (PUR) | Polysocyanurate (PIR)
Thermal conductivity:
PUR 0,0207 W/m °C
PIR 0,0207 W/m °C
Density: 40 kg/m³
Reaction to fire: EN 13501-1
PUR B-s2,d0
PIR B-s2,d0
PIR-HI B-s1,d0

Coating
Standard: Polyester paint 25 µm
Specials: Granite HDX 55 µm | PVDF 35 µm

**Tolerances according to EN 14509 standard*
W/m K = W/m °C | W/m² K = W/m² °C



Description/Application
Insulating panel composed of two profiled metal sheets joined by a rigid polyurethane (PUR) or polyisocyanurate (PIR) foam core.
Facade panel with hidden fastening, available with a corrugated (mini-wave) face.
Product manufactured in accordance with EN 14509 and subject to evaluation and verification of performance regularity in accordance with system 1.

Characteristics
Dimensions*
Thicknesses: 40–60 mm ±2 mm
Width: 1000 — 1080 mm ±2 mm
Length: 4,00 — 14,00 m ±10 mm
Maximum recommended length: 8,00 m

Metallic support
Steel grade S250GD, EN 10346
Organic coating lacquered coils: EN 10169+A1
Thicknesses: 0,5–0,6 mm

Insulated core
Polyurethane (PUR) | Polysocyanurate (PIR)
Thermal conductivity:

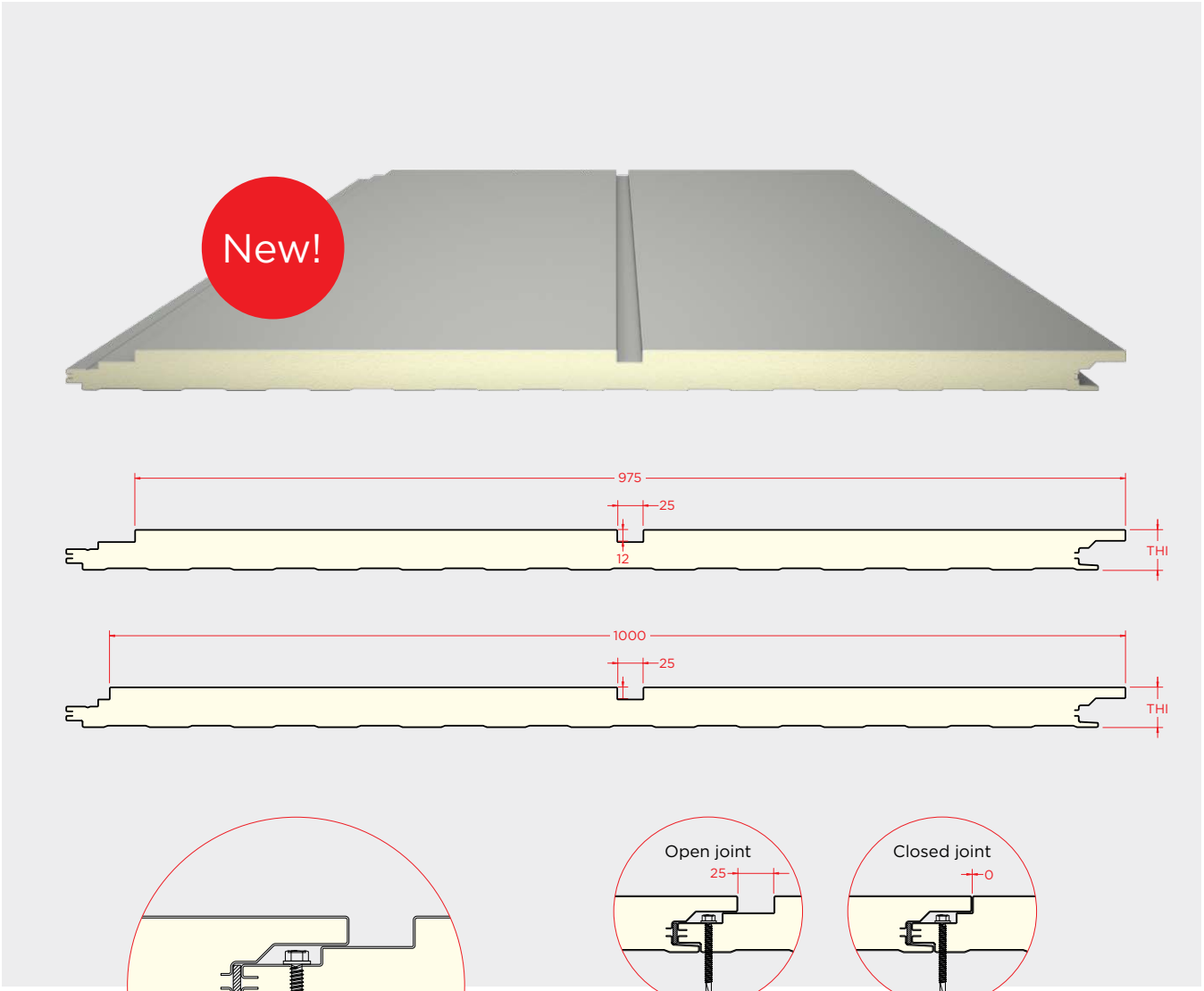
PUR	0,0207 W/m °C
PIR	0,0207 W/m °C

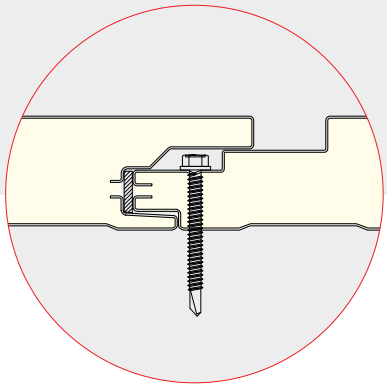
Density: 40 kg/m³
Reaction to fire: EN 13501-1

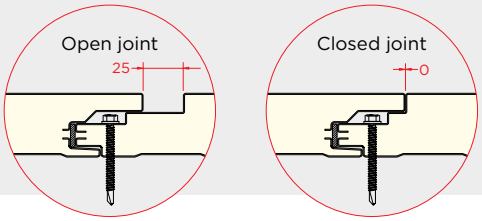
PUR	B-s2,d0
PIR	B-s2,d0
PIR-HI	B-s1,d0

Coating
Standard: Polyester paint 25 µm
Specials: Granite HDX 55 µm | PVDF 35 µm

**Tolerances according to EN 14509 standard*
W/m K = W/m °C | W/m² K = W/m² °C







Description/Application
Insulating panel made up of two profiled metal sheets, joined by a core of rigid polyurethane (PUR) or polysocyanurate (PIR) foam.
Facade panel with hidden fixing, available with smooth face and open or closed joint.
Product manufactured in accordance with the EN 14509 standard and subject to evaluation and verification of the regularity of performance according to system 1.

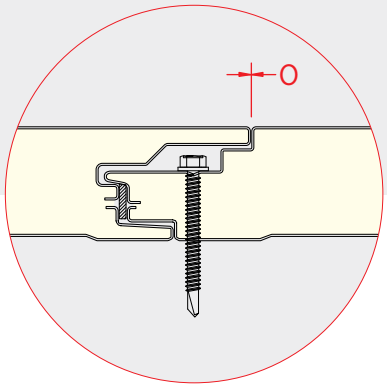
Characteristics
Dimensions*
Thicknesses: 40–60 mm ±2 mm
Width: 1000 — 1080 mm ±2 mm
Length: 4,00 — 14,00 m ±10 mm
Maximum recommended length: 8,00 m

Metallic support
Steel grade S250GD, EN 10346
Organic coating lacquered coils: EN 10169+A1
Thicknesses: 0,5–0,6 mm

Insulated core
Polyurethane (PUR) | Polysocyanurate (PIR)
Thermal conductivity:
PUR 0,0207 W/m °C
PIR 0,0207 W/m °C
Density: 40 kg/m³
Reaction to fire: EN 13501-1
PUR B-s2,d0
PIR B-s2,d0
PIR-HI B-s1,d0

Coating
Standard: Polyester paint 25 µm
Specials: Granite HDX 55 µm | PVDF 35 µm

**Tolerances according to EN 14509 standard*
W/m K = W/m °C | W/m² K = W/m² °C



Description/Application
Insulating panel composed of two profiled metal sheets joined by a rigid polyurethane (PUR) or polyisocyanurate (PIR) foam core.
Facade panel with hidden fastening, available with a flat face.
Product manufactured in accordance with EN 14509 and subject to evaluation and verification of regularity of performance in accordance with system 1.

Characteristics
Dimensions*
Thicknesses: 40–60 mm ±2 mm
Width: 600 mm ±2 mm
Length: 4,00 — 14,00 m ±10 mm
Maximum recommended length: 8,00 m

Metallic support
Steel grade S250GD, EN 10346
Organic coating lacquered coils: EN 10169+A1
Thicknesses: 0,5–0,6 mm

Insulated core
Polyurethane (PUR) | Polysocyanurate (PIR)
Thermal conductivity:

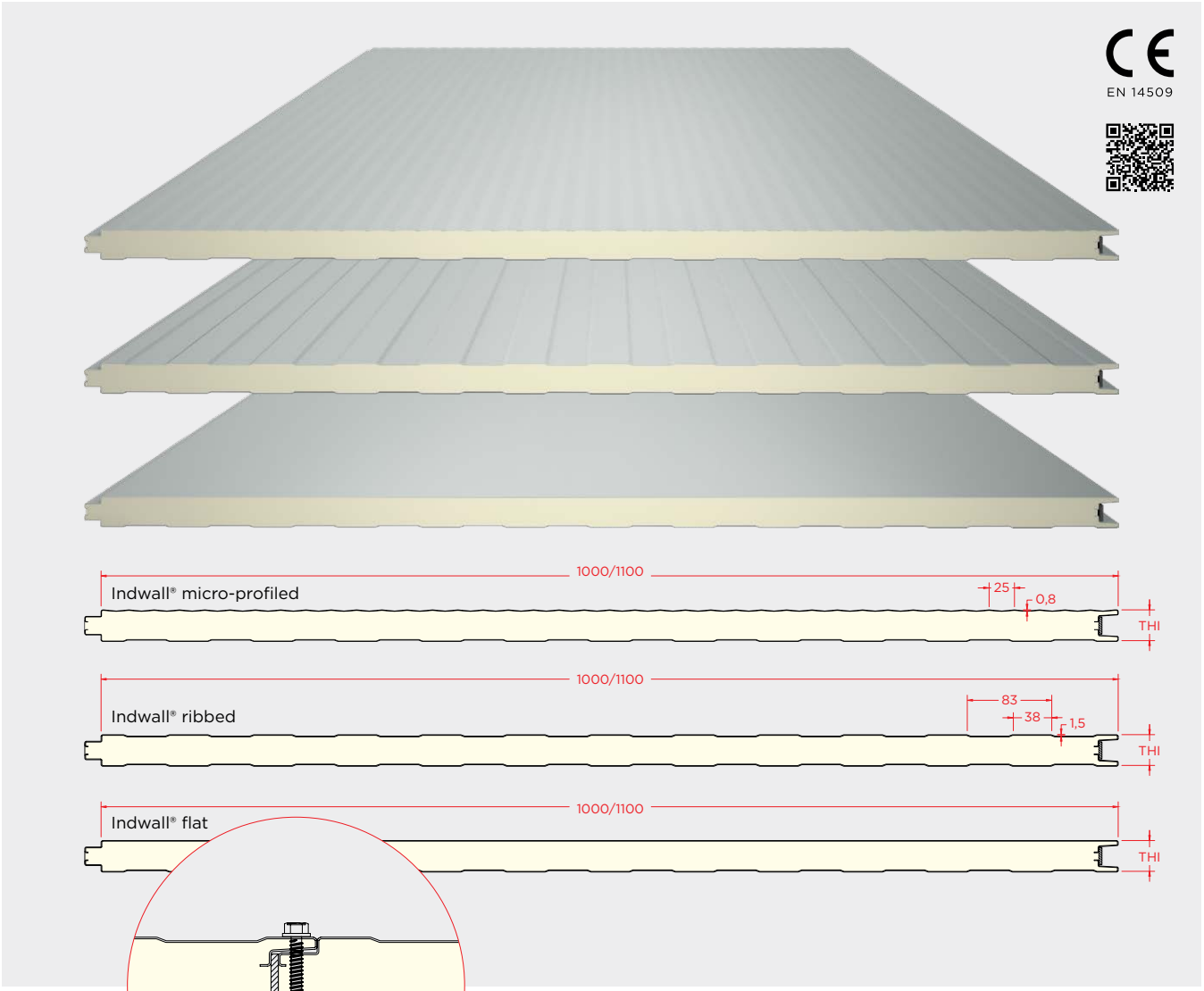
PUR	0,0207 W/m °C
PIR	0,0207 W/m °C

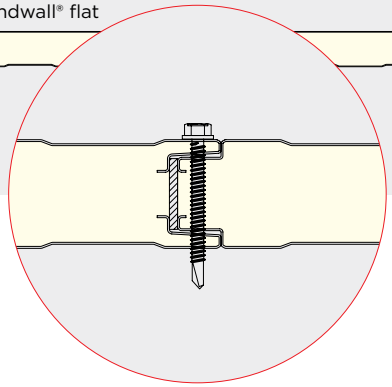
Density: 40 kg/m³
Reaction to fire: EN 13501-1

PUR	B-s2,d0
PIR	B-s2,d0
PIR-HI	B-s1,d0

Coating
Standard: Polyester paint 25 µm
Specials: Granite HDX 55 µm | PVDF 35 µm

**Tolerances according to EN 14509 standard*
W/m K = W/m °C | W/m² K = W/m² °C





Description/Application
Insulating panel composed of two profiled metal sheets, joined by a rigid polyurethane (PUR) or polyisocyanurate (PIR) foam core.
Self-supporting panel for walls or facades with exposed fastening. Industrial solution for prefabricated construction, available with micro-profiled, ribbed, or flat exterior surfaces.
A highly versatile and easy-to-assemble product, it is manufactured in accordance with EN 14509 and subject to performance regularity assessment and verification according to system 1.

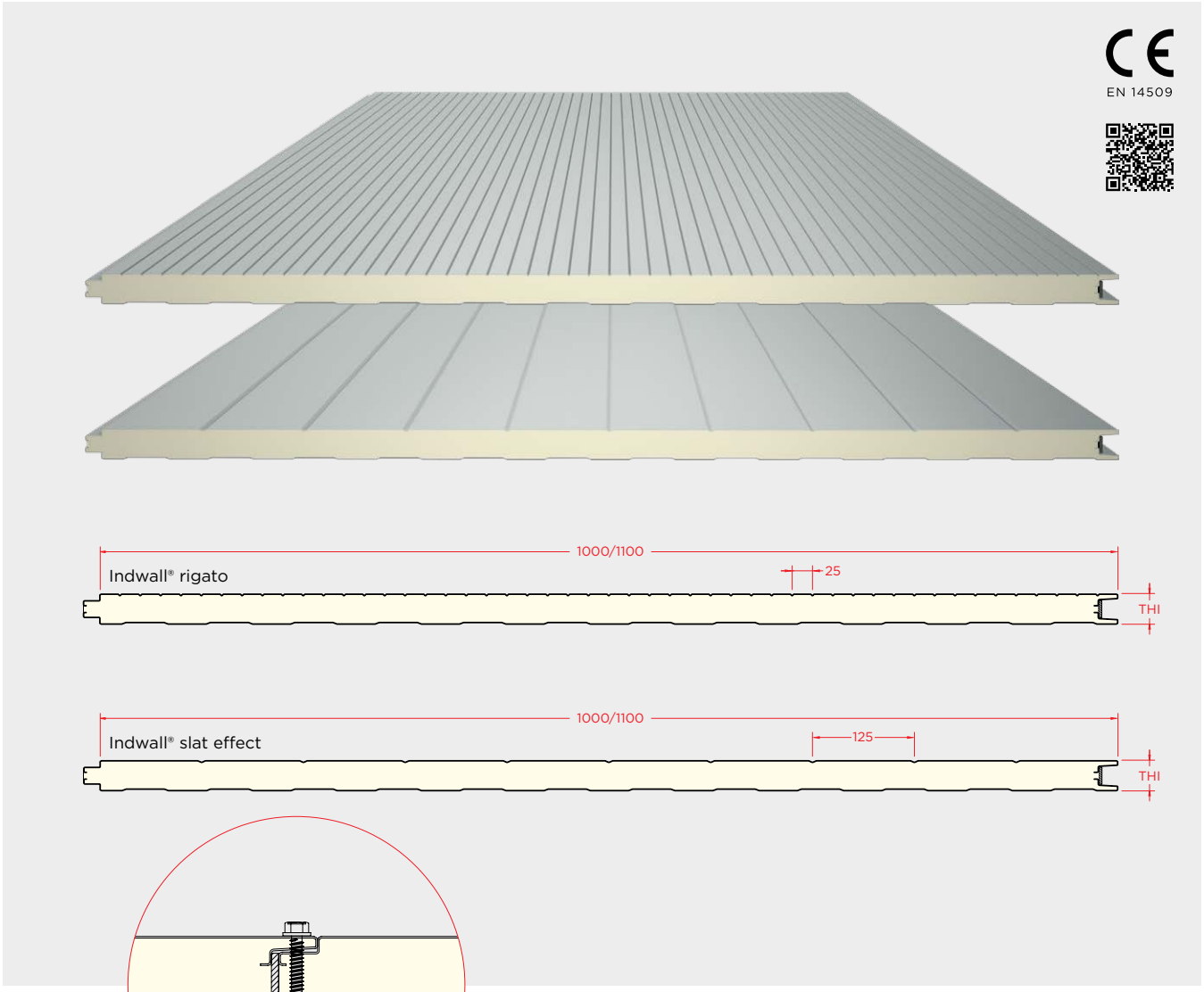
Characteristics
Dimensions*
Thicknesses: 30–40–50–60–80–100 mm ±2 mm
Width: 1000 — 1100 mm ±2 mm
Length: 4,00 — 14,00 m ±10 mm
Maximum recommended length: 8,00 m

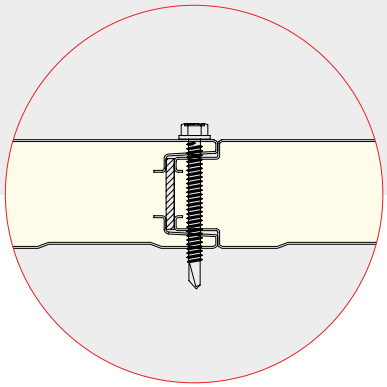
Metallic support
Steel grade S250GD, EN 10346
Organic coating lacquered coils: EN 10169+A1
Thicknesses: 0,4–0,5 mm

Insulated core
Polyurethane (PUR) | Polysocyanurate (PIR)
Thermal conductivity:
PUR 0,0207 W/m °C
PIR 0,0207 W/m °C
Density: 40 kg/m³
Reaction to fire: EN 13501-1
PUR B-s2,d0
PIR B-s2,d0
PIR-HI B-s1,d0

Coating
Standard: Polyester paint 25 µm
Specials: Granite HDX 55 µm | PVDF 35 µm

**Tolerances according to EN 14509 standard*
W/m K = W/m °C | W/m² K = W/m² °C





Description/Application
Insulating panel composed of two profiled metal sheets, joined by a rigid polyurethane (PUR) or polyisocyanurate (PIR) foam core.
Self-supporting panel for walls or facades with exposed fastening. Industrial solution for prefabricated construction, available with micro-profiled, ribbed, or slat exterior surfaces.
A highly versatile and easy-to-assemble product, it is manufactured in accordance with EN 14509 and subject to performance regularity assessment and verification according to system 1.

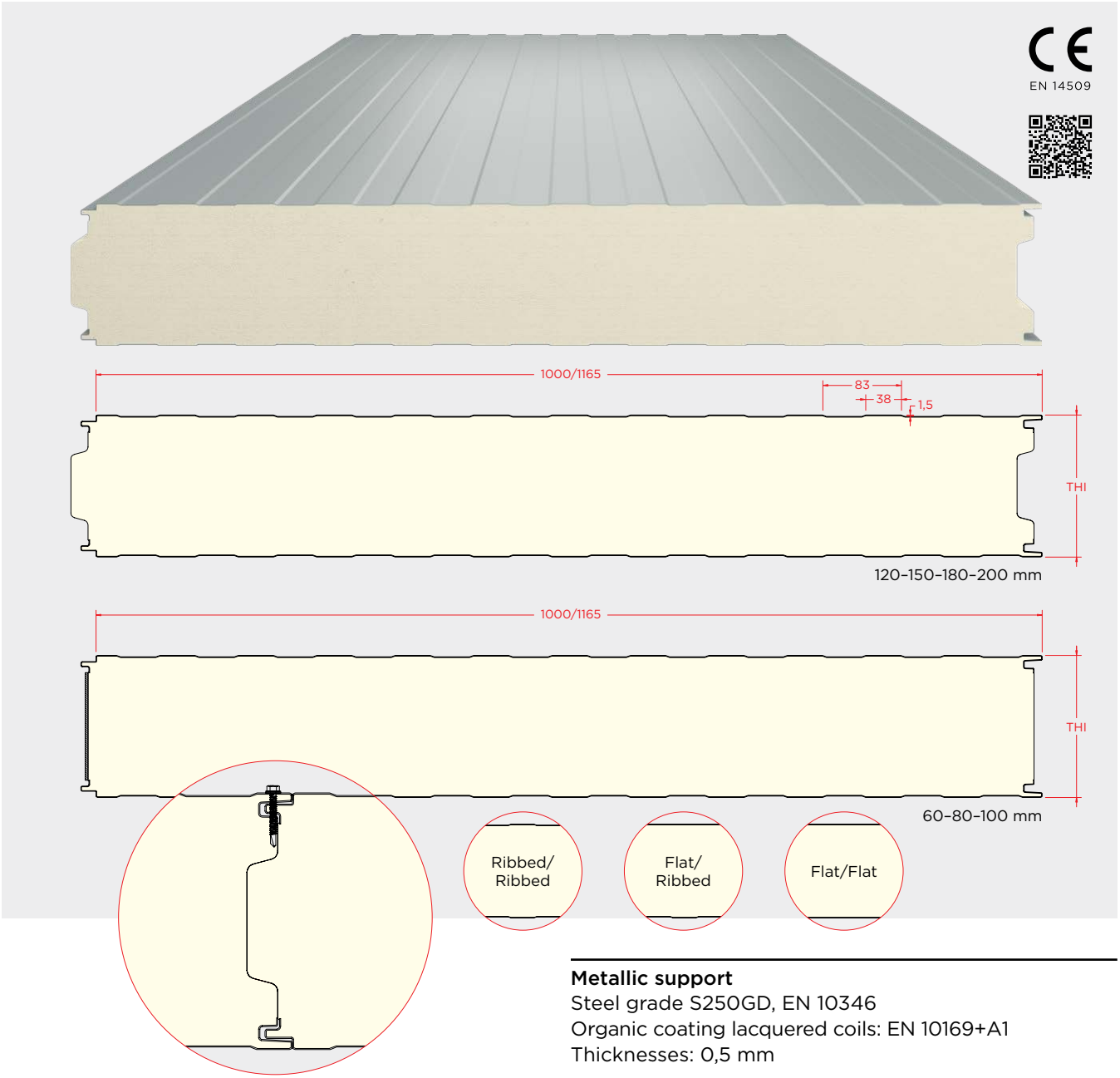
Characteristics
Dimensions*
Thicknesses: 30–40–50–60–80–100 mm ±2 mm
Width: 1000 — 1100 mm ±2 mm
Length: 4,00 — 14,00 m ±10 mm
Maximum recommended length: 8,00 m

Metallic support
Steel grade S250GD, EN 10346
Organic coating lacquered coils: EN 10169+A1
Thicknesses: 0,4–0,5 mm

Insulated core
Polyurethane (PUR) | Polysocyanurate (PIR)
Thermal conductivity:
PUR 0,0207 W/m °C
PIR 0,0207 W/m °C
Density: 40 kg/m³
Reaction to fire: EN 13501-1
PUR B-s2,d0
PIR B-s2,d0
PIR-HI B-s1,d0

Coating
Standard: Polyester paint 25 µm
Specials: Granite HDX 55 µm | PVDF 35 µm

**Tolerances according to EN 14509 standard*
W/m K = W/m °C | W/m² K = W/m² °C



Description/Application
Insulated panel composed of two profiled metal sheets joined by rigid polyurethane (PUR) or polyisocyanurate (PIR) foam.
High thickness self-supporting panel designed for application in cold storage chambers.
Versatile panel developed for an easy installation in temperature-controlled storage areas.
Panel produced according to EN 14509 and subject to evaluation and verification of regularity of performance according to system 1.

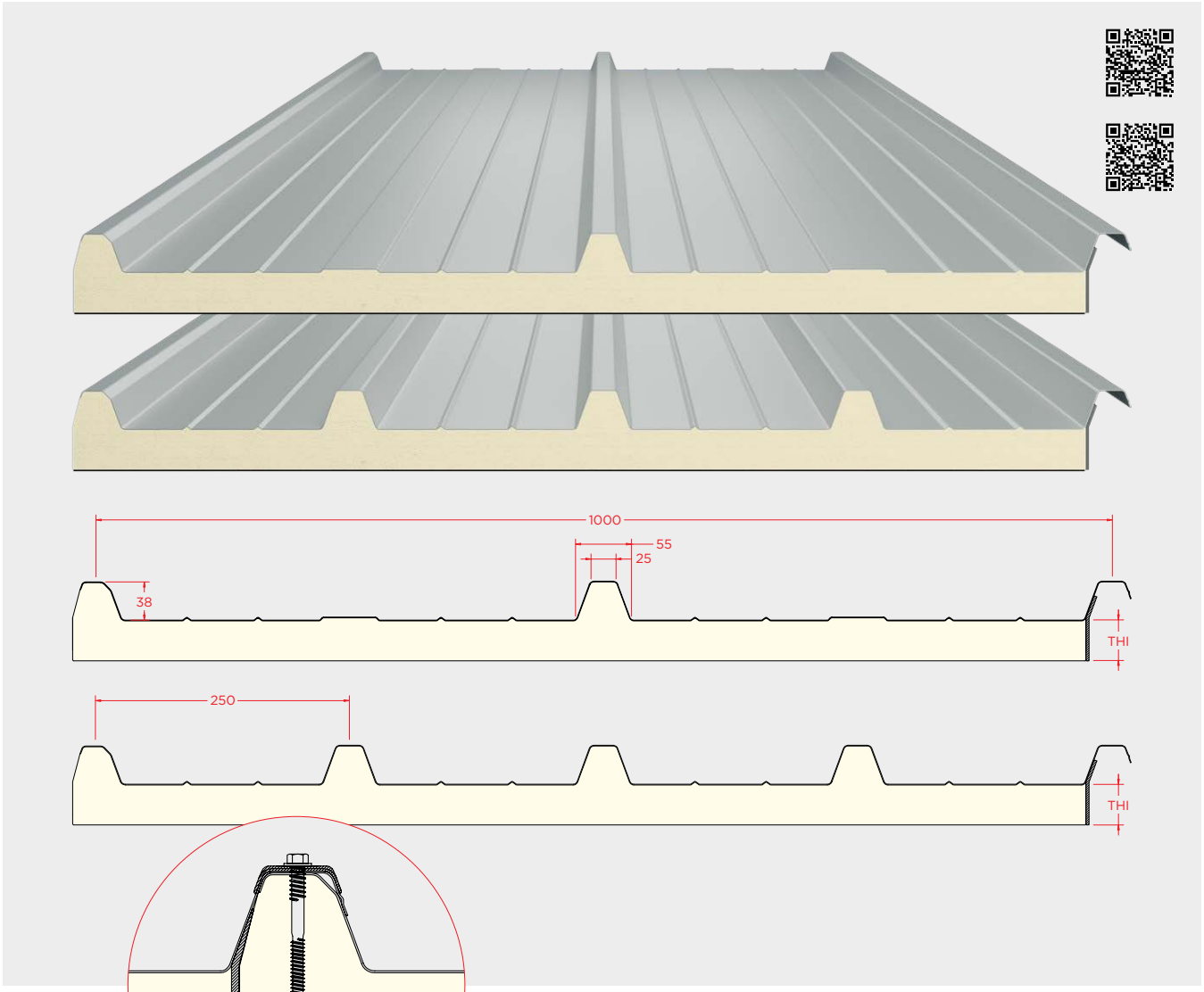
Characteristics
Dimensions*
Thicknesses: 60–80–100 mm ±2 mm
Thicknesses: 120–150–180–200 mm ±2%
Width: 1000 — 1165 mm ±2 mm
Length: 4,00 — 14,00 m ±10 mm
Maximum recommended length: 8,00 m

Metallic support
Steel grade S250GD, EN 10346
Organic coating lacquered coils: EN 10169+A1
Thicknesses: 0,5 mm

Insulated core
Polyurethane (PUR) | Polysocyanurate (PIR)
Thermal conductivity:
PUR 0,0207 W/m °C
PIR 0,0207 W/m °C
Density: 40 kg/m³
Reaction to fire: EN 13501-1
PUR B-s2,d0
PIR B-s2,d0
HPIR B-s1,d0

Coating
Standard: Polyester paint 25 µm
Specials: Granite HDX 55 µm | PVC *food-safe*

**Tolerances according to EN 14509 standard*
W/m K = W/m °C | W/m² K = W/m² °C



Description/Application
Insulated panel composed of an external profiled metal sheet and an internal flexible metal sheet joined by a rigid polyurethane foam core.
3 or 5 wave roof panel, with external face in profiled sheet and internal face in embossed centesimal aluminum or felt board.

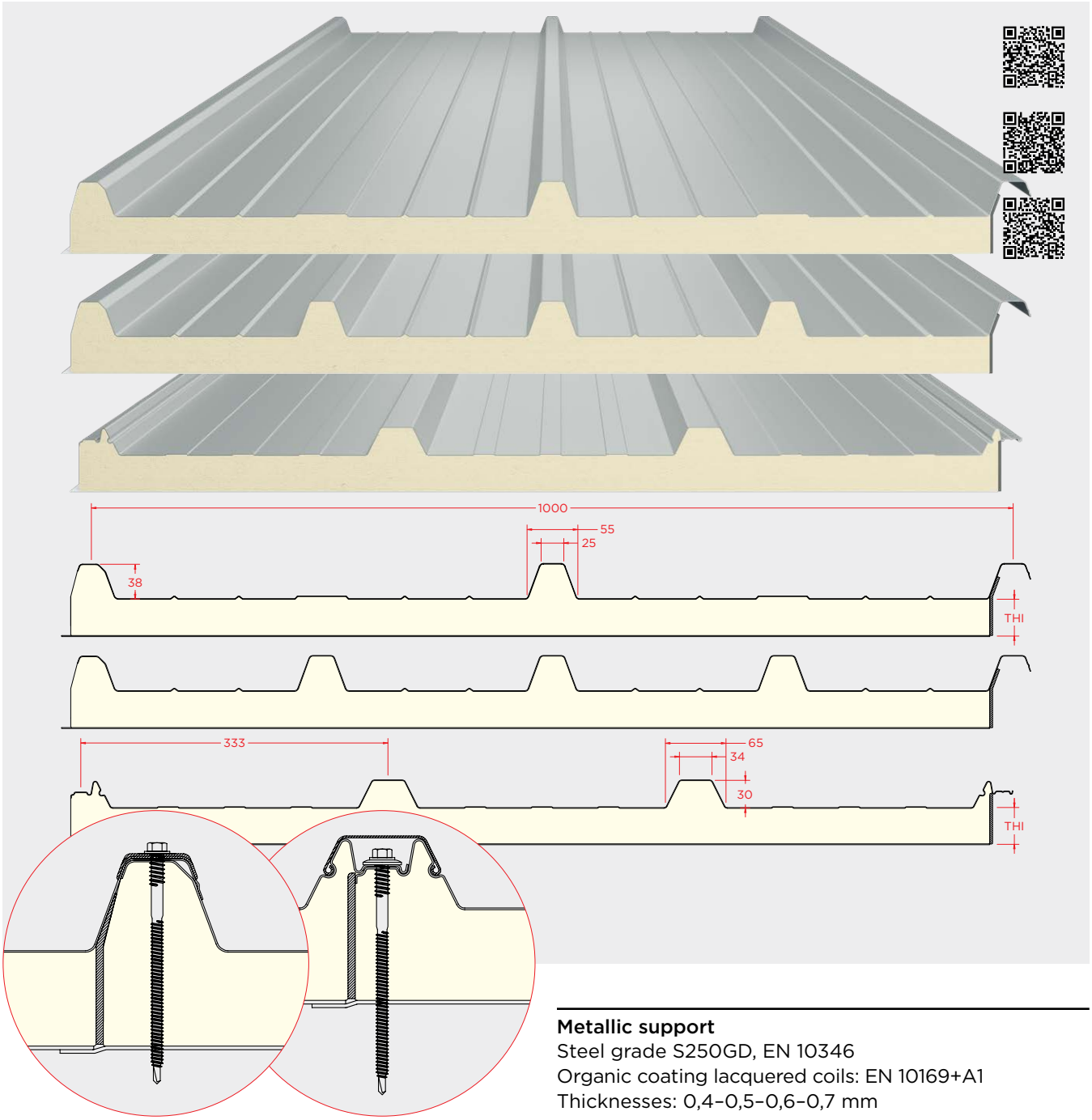
Characteristics
Dimensions*
Thicknesses 30–40–50–60–80–100 mm ±2 mm
Width: 1000 mm ±2 mm
Length: 4,00 — 18,00 m ±2 mm
Maximum recommended length: 13,00 m

Metallic support
Steel grade S250GD, EN 10346
Organic coating lacquered coils: EN 10169+A1
Thicknesses: 0,4–0,5–0,6–0,7 mm

Insulated core
Polyurethane (PUR)
Thermal conductivity: 0,0207 W/m °C
Density: 40 kg/m³

Coating
Standard: Polyester paint 25 µm
Specials: Granite HDX 55 µm | PVDF 35 µm

**Tolerances according to EN 14509 standard*
Panel with undeclared performance: F rating
W/m K = W/m °C | W/m² K = W/m² °C



Description/Application
Insulated panel composed of an external profiled metal sheet and an internal flexible metal sheet, joined by a rigid polyurethane foam core.
3 or 5 wave roof panel, or hidden fastening with joint covers for agricultural facilities, with external face in profiled sheet and internal face in polyester sheet, reinforced with fiberglass resistant to biochemical corrosion.

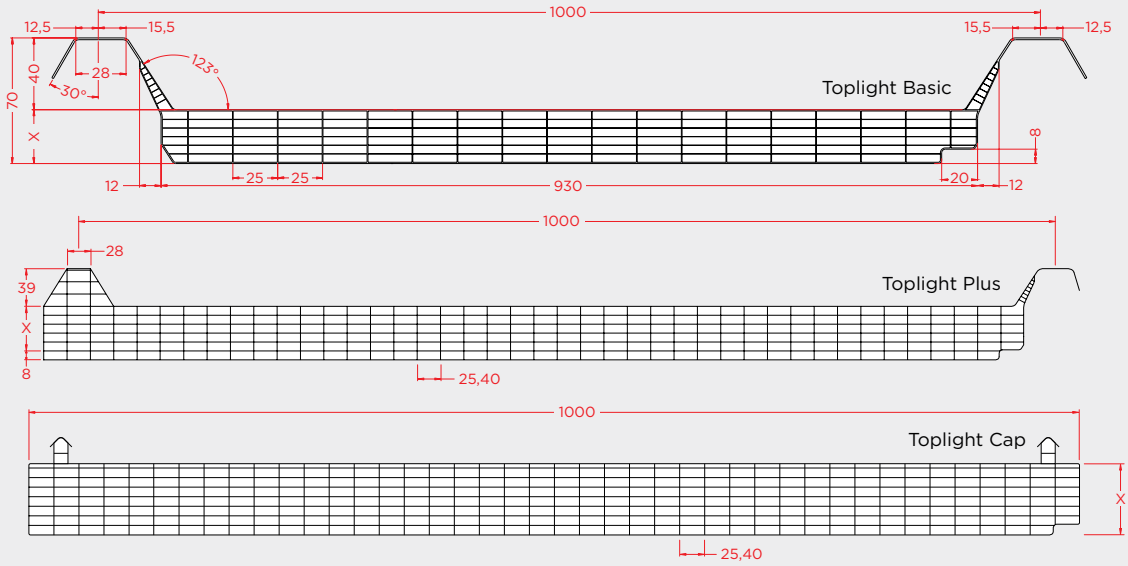
Characteristics
Dimensions*
Thicknesses: 30–40–50–60–80–100 mm ±2 mm
Width: 1000 mm ±2 mm
Length: 4,00 — 14,00 m ±10 mm
Maximum recommended length: 12,00 m

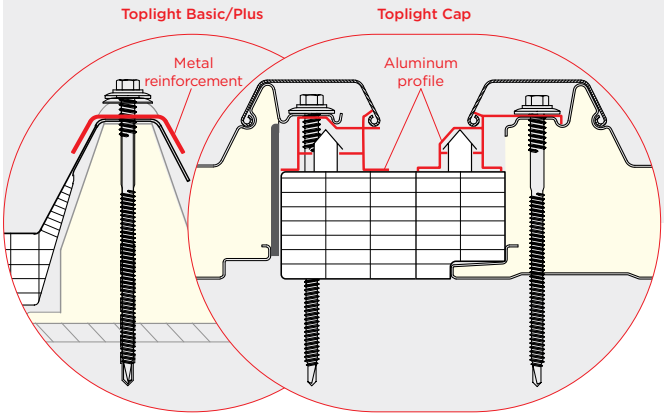
Metallic support
Steel grade S250GD, EN 10346
Organic coating lacquered coils: EN 10169+A1
Thicknesses: 0,4–0,5–0,6–0,7 mm

Insulated core
Polyurethane (PUR)
Thermal conductivity: 0,0207 W/m °C
Density: 40 kg/m³

Coating
Standard: Polyester paint 25 µm
Specials: Granite HDX 55 µm | PVDF 35 µm
Polyester sheet with fiberglass on the inside.

**Tolerances according to EN 14509 standard*
Panel with undeclared performance: F rating
W/m K = W/m °C | W/m² K = W/m² °C





Accessories: Toplight Basic/Plus
We recommend using a 6.3 mm diameter, 130 mm long, self-tapping steel screw with a gasket.
A 10 mm thick, 20 mm wide PE (sponge) adhesive gasket is required.
Accessories are required to compensate for the difference in thickness between the sandwich panel and the polycarbonate panel. Drill holes 50% larger than planned to protect against thermal expansion. Cut with a fine-tooth saw.
Apply protective tape to the panel edges.

Notes: Toplight Cap
Aluminum profiles are supplied in 6000 mm lengths.
Accessories are required to compensate for the difference in thickness between the sandwich panel and the polycarbonate panel.

Description/Application

White opal panels, designed for roofing systems and to facilitate the insertion of skylights.
Solutions with good thermal insulation and light transmission, adaptable to most coating panels.
They allow the construction of various types of skylights and offer good mechanical and weather resistance.
Ideal for roofs and industrial skylights.

Characteristics

Dimensions

Thicknesses: 30–40 mm
Waves interval: ~1000 mm
Width modular: 1000 mm ±5 mm
Length: 13500 mm (max.)

Performance

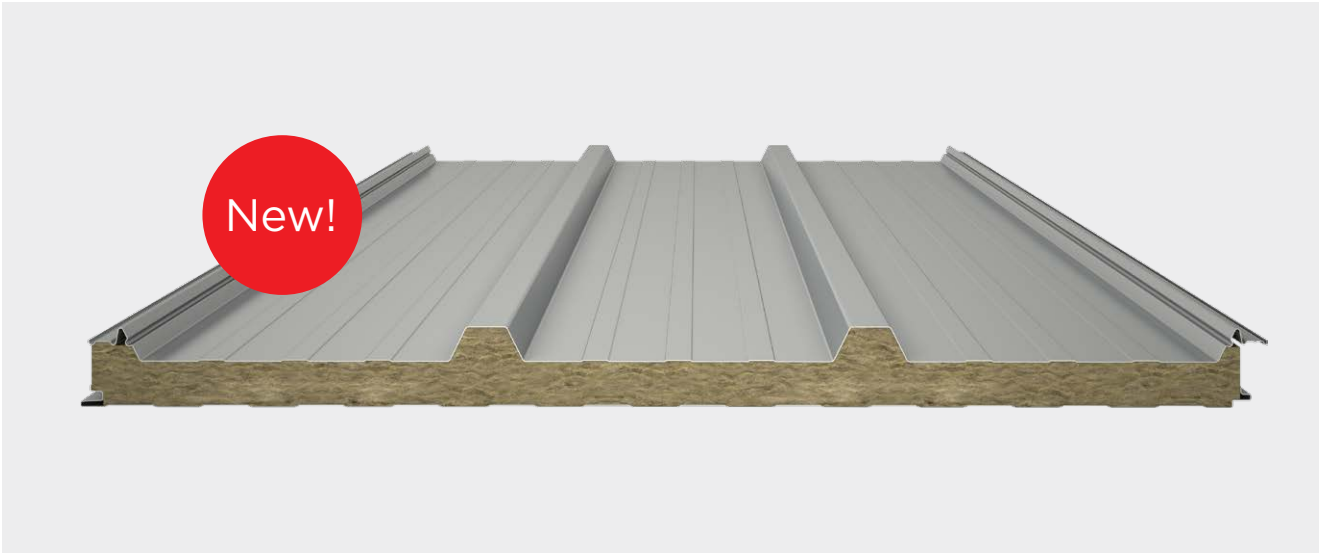
Thermal transmittance: 1.2–1.1 W/m² °C
Light transmittance: ~38–~35%
Temperature variation: -40/+120 °C
Reaction to fire: B-s1,d0 EN 13501-1
UV protection: yes

Installation

Important information at www.ofelizpainel.com

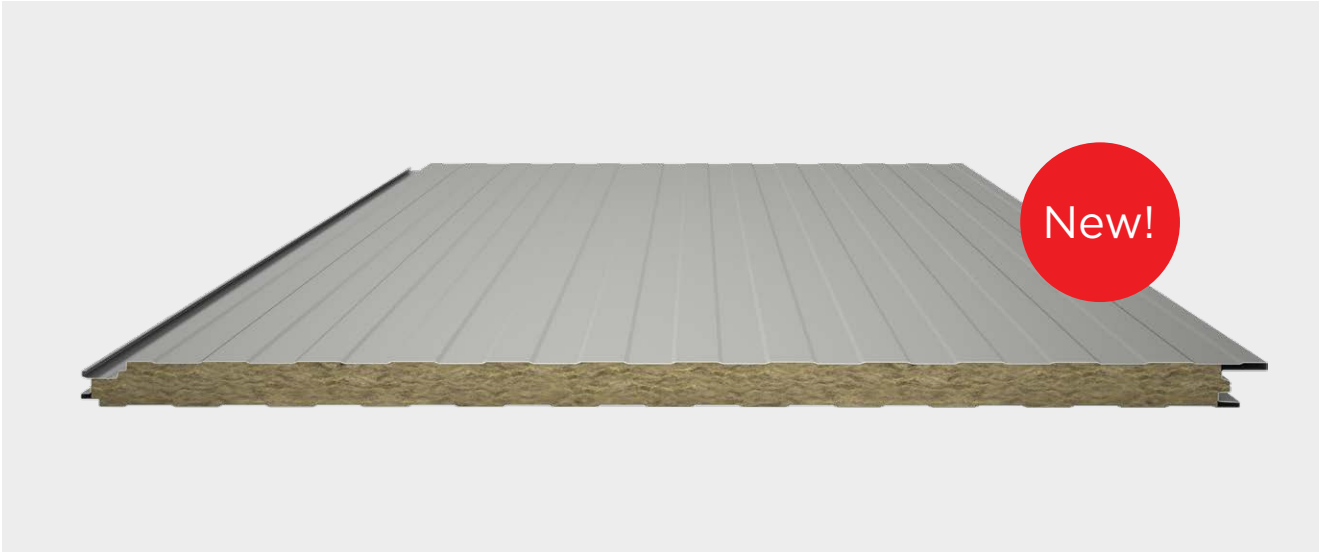
Topcover Cap MW Fire

Roof panel



Facewall® MW Fire ribbed

Wall panel



Facewall® MW Fire micro-profiled

Wall panel

Facewall® MW Fire flat

Wall panel

Indwall® MW Fire ribbed

Wall panel

Indwall® MW Fire micro-profiled

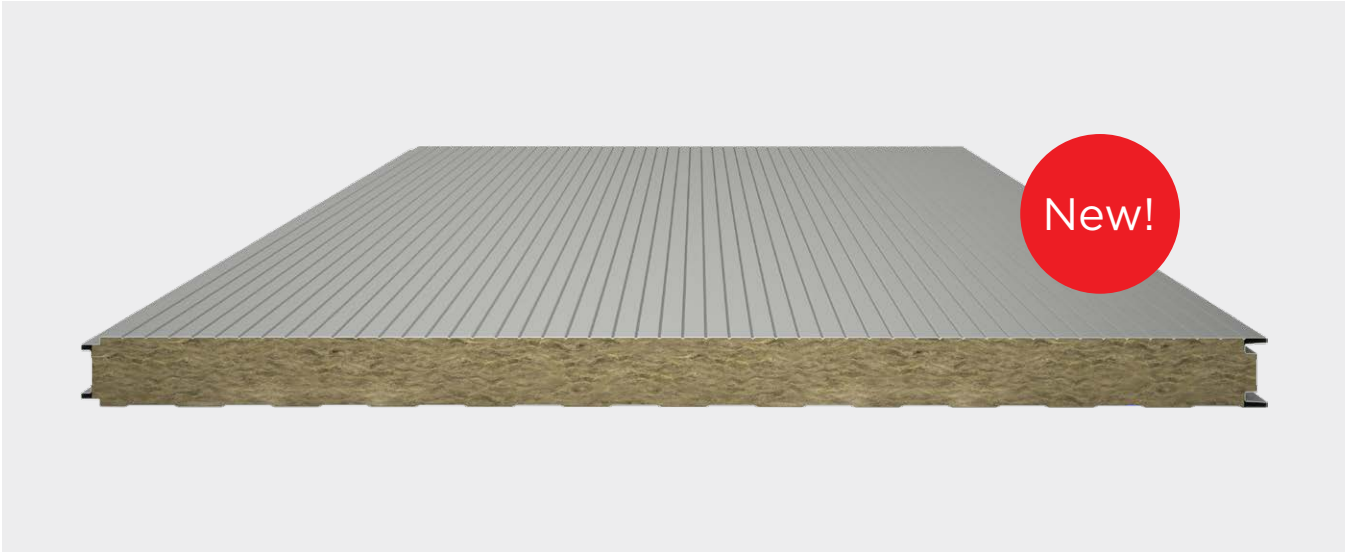
Wall panel

Indwall® MW Fire flat

Wall panel

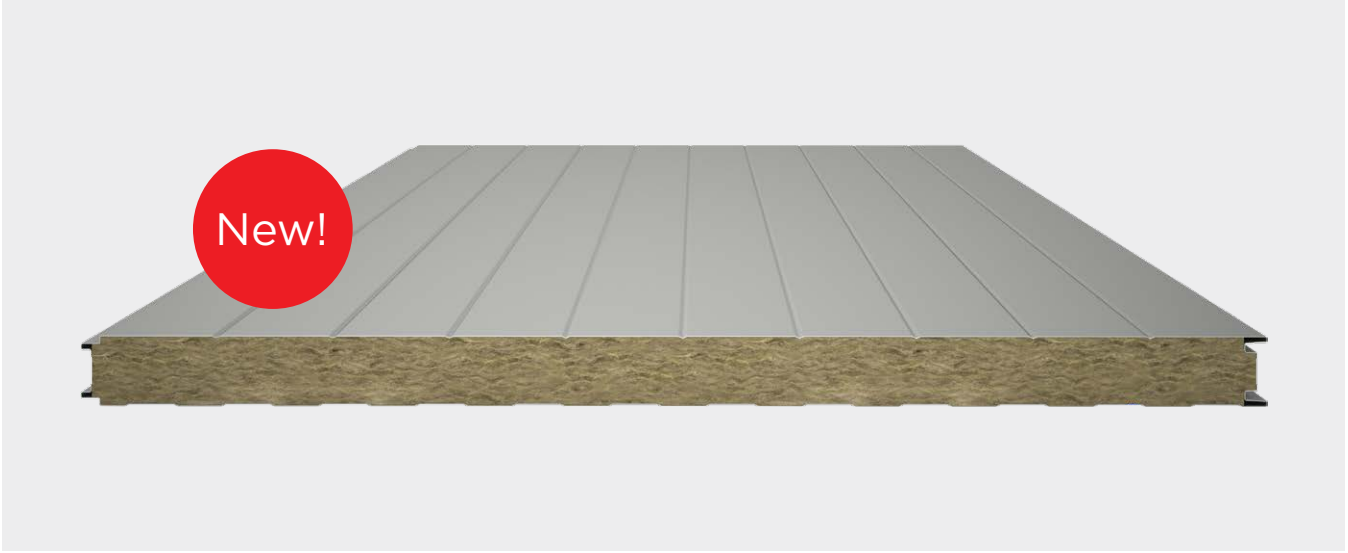
Indwall® MW Fire rigato

Wall panel

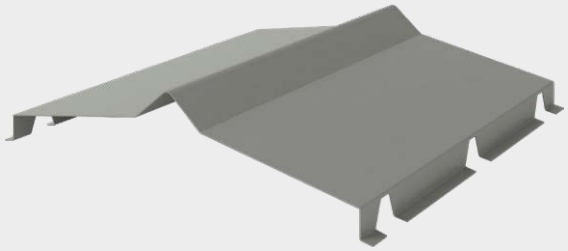


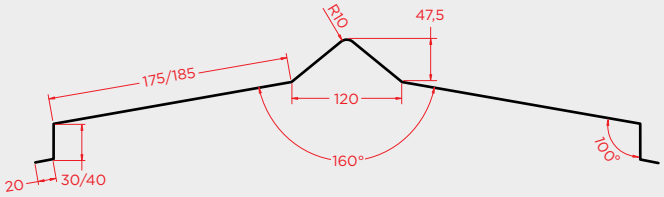
Indwall® MW Fire slat effect

Wall panel



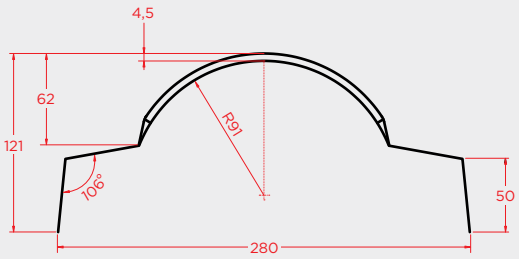
Plain ridge cap Topcover 3/5/Cap





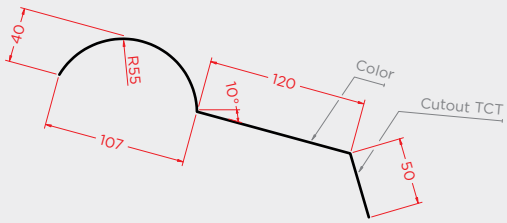
Article	Description	Standard product
CUM.TC3	Plain ridge cap 3,15 m with cutout for Topcover 3	Development: 625 mm Total/useful length: 3150/3000 mm
CUM.TC5	Plain ridge cap 3,15 m with cutout for Topcover 5	
CUM.TCC	Plain ridge cap 3,15 m with cutout for Topcover 3	
CUM.LISA	Plain ridge cap 3,15 m flat for Topcover 3/5/Cap	

Ridge cap Topcover Tile



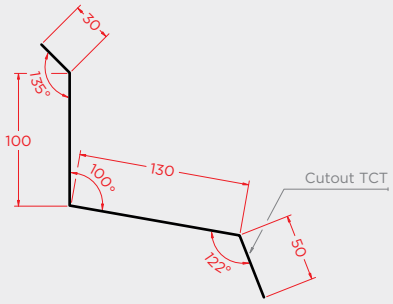
Article	Description	Standard product
CUM.TCT	Ridge cap 1,075 m with cutout for Topcover Tile	Development: 416 mm Total/useful length: 1070/1000 mm
CUM.TCTL	Ridge cap 1,075 m without cutout for Topcover Tile	

Half-ridge Topcover Tile



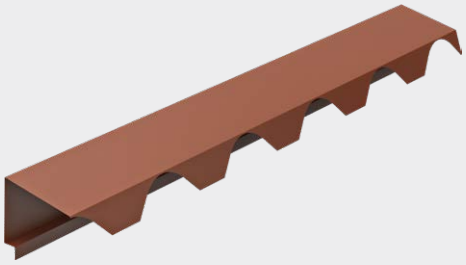
Article	Description	
CUM2.TCT.312	Half-Ridge for Topcover Tile. Available in various colors.	D = 312 mm / T = 0,50 mm / L = 2200 mm

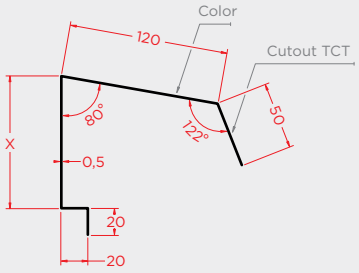
Top side ridge Topcover Tile



Article	Description	
RMT.TCT.01	Top side ridge for Topcover Tile. Available in various colors.	D = 310 mm / T = 0,50 mm / L = 2200 mm

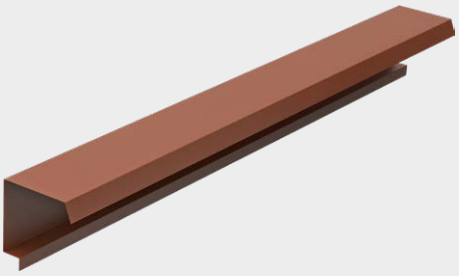
Trimmed gable end Topcover Tile

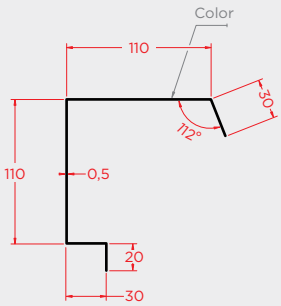




Article	Description	
RMT.TCT.02	Trimmed gable end for Topcover Tile. Available in various colors.	X = Variable / D = 310 mm / T = 0,50 mm / L = 2200 mm

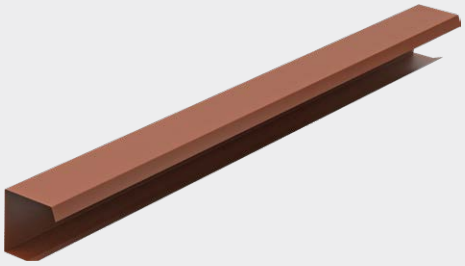
Sideline shot Topcover Tile

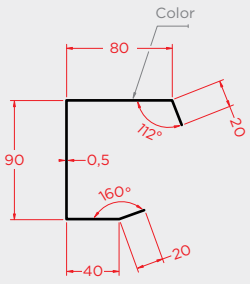




Article	Description	
RMT.TCT.03	Sideline shot for Topcover Tile. Available in various colors.	D = 300 mm / T = 0,50 mm / L = 2500 mm

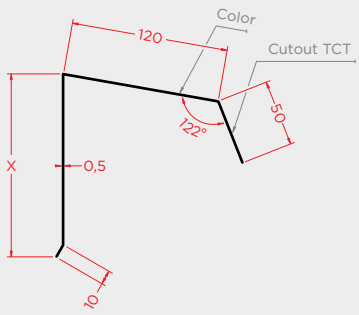
Sideline shot Topcover Tile





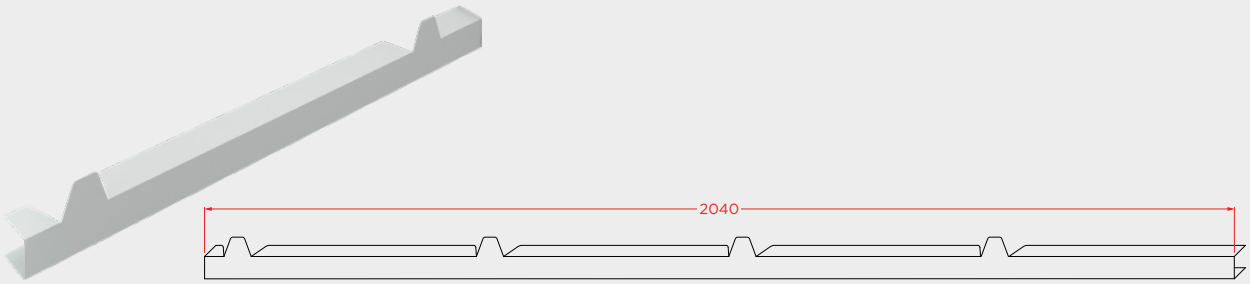
Article	Description	
RMT.TCT.04	Sideline shot for Topcover Tile. Available in various colors.	D = 250 mm / T = 0,50 mm / L = 2500 mm

Trimmed gable Topcover Tile



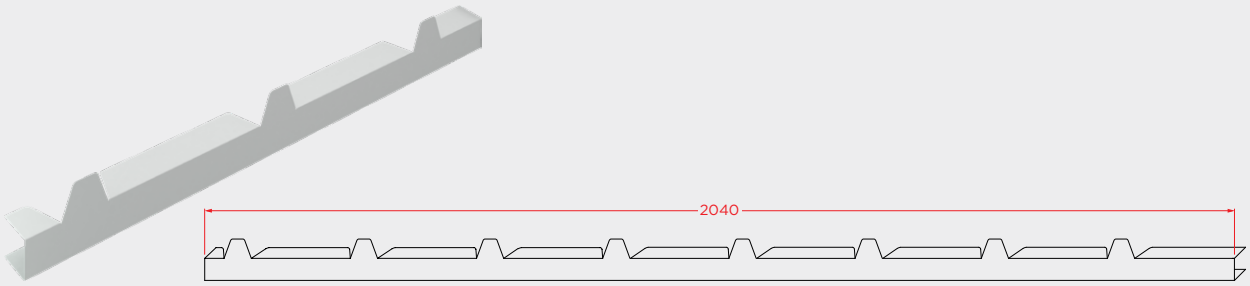
Article	Description	
RMT.TCT.05	Trimmed gable for Topcover Tile. Available in various colors.	X = Variable / D = 310 mm / T = 0,50 mm / L = 2200 mm

Trimmed eave Topcover 3



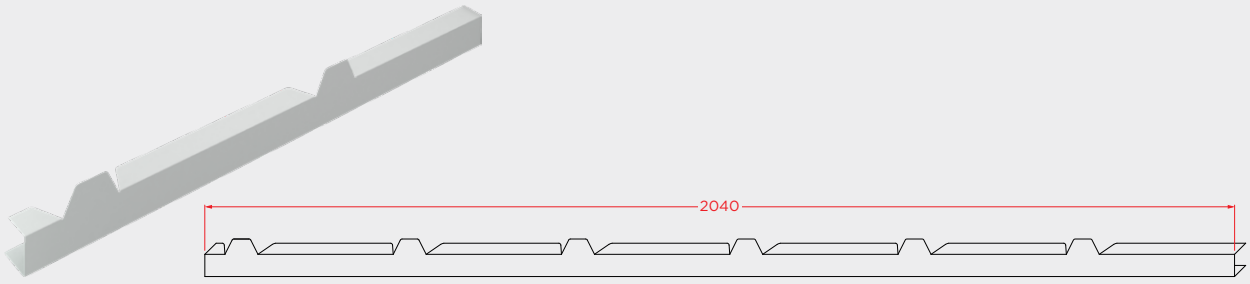
Article	Description	Thicknesses
TOP.TC3	Trimmed eave for Topcover 3.	30–40–50–60–80–100–120–150 mm

Trimmed eave Topcover 5



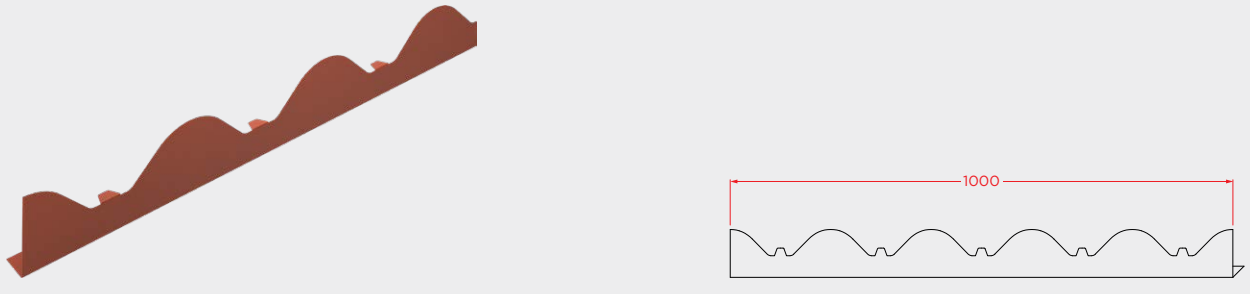
Article	Description	Thicknesses
TOP.TC5	Trimmed eave for Topcover 5.	30–40–50–60–80–100–120–150 mm

Trimmed eave Topcover Cap



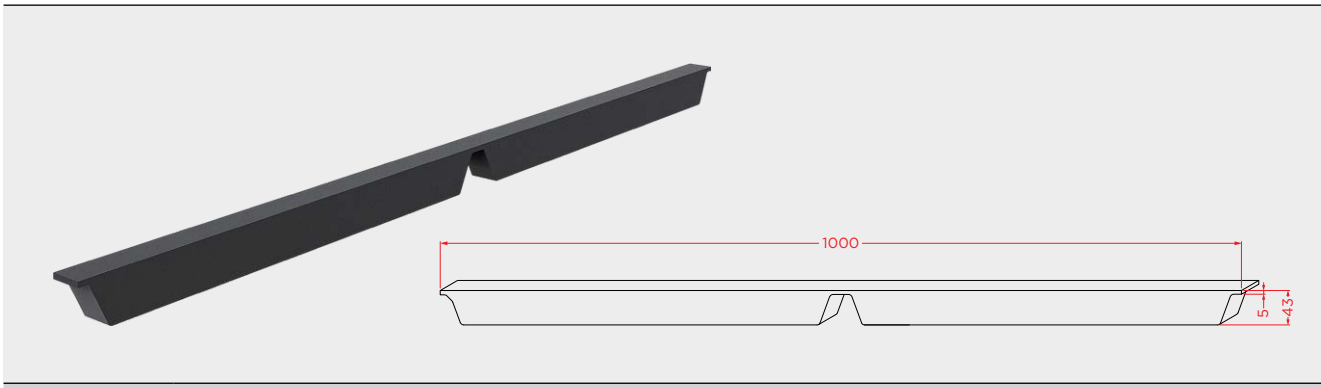
Article	Description	Thicknesses
TOP.TCC	Trimmed eave for Topcover Cap.	30–40–50–60–80–100 mm

Trimmed eave Topcover Tile



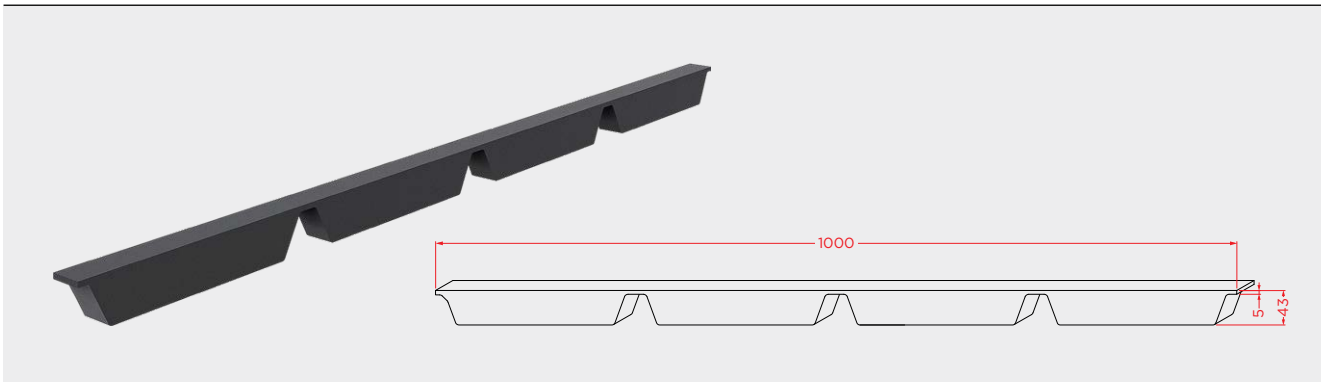
Article	Description	Thicknesses
TOP.TCT	Trimmed eave for Topcover Tile.	40–60–80 mm

Sponge sealant Plain ridge cap Topcover 3



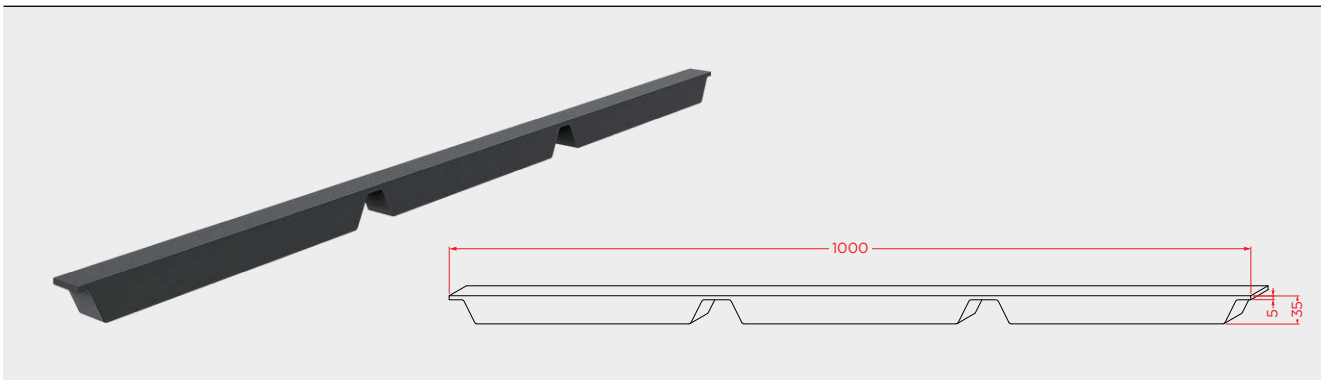
Article	Description
VED.TC3	Sponge sealant for plain ridge cap Topcover 3

Sponge sealant Ridge cap Topcover 5



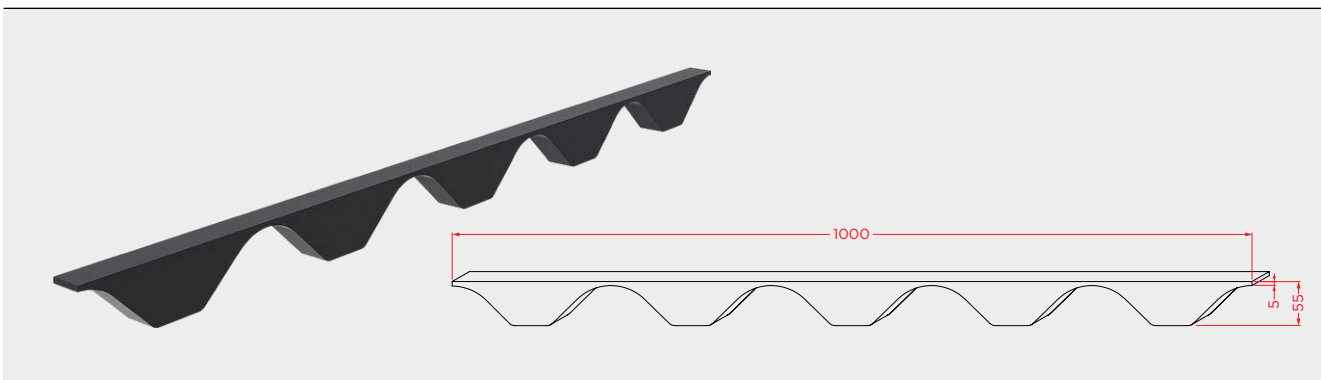
Article	Description
VED.TC5	Sponge sealant for plain ridge cap Topcover 5

Sponge sealant Plain ridge cap Topcover Cap



Article	Description
VED.TCC	Sponge sealant for plain ridge cap Topcover Cap

Sponge sealant Ridge cap Topcover Tile



Article	Description
VED.TCT	Sponge sealant for ridge cap Topcover Tile

Color range
The colors displayed in the catalog meet our standards as accurately as possible. However, minor variations are inevitable, which is why we recommend that you always perform a color test using an actual sample.

RAL 9010 Pure white

RAL 9006 White aluminium

RAL 9004 Signal black

RAL 7022 Umbra grey

RAL 7016 Anthracite grey

RAL 7012 Basalt grey

RAL 6005 Moss green

RAL 5010 Gentian blue

RAL 3009 Oxide red

RAL 1015 Light ivory

Topcover Tile color range
All RAL references presented here have a textured finish.

Exterior side

RAL 8004T Copper brown

RAL 8023T Orange brown

RAL 9005T Jet black

Alvero

Interior side

RAL 9010 Pure white

Naive Wood Textured lacquer

Patinao Spanish roof

Range of special colors
The following references have a textured finish and are applied to wall panels.

Corten 256

Corten 522

Exclusive finishes

Granite® HDX 55 µm
ArcelorMittal

Properties
- Nominal organic thickness: 55 µm;
- Very good UV resistance;
- Excellent corrosion resistance;
- Very good formability;
- Robust coating;
- Thermosetting paint;
- Surface treatment and painting: free of hexavalent chromium and heavy metals;
- Corrosion resistance category: RC5 (EN 10169);
- Automatic manufacturer's warranty of up to 35 years.

Applications
Outdoor use in harsh environments: profiled sheet metal, sandwich panels for industrial use with a high level of aggressive/corrosive agents, and construction materials.

ArcelorMittal

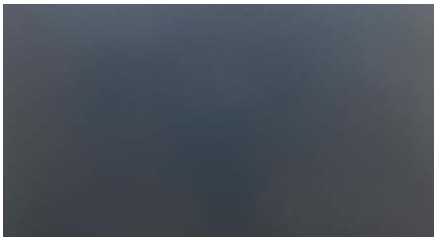
RAL 3009 Oxide red

RAL 7022 Umbra grey

RAL 7012 Basalt grey

RAL 9006 White aluminium

RAL 7016 Anthracite grey



RAL 9010 Pure white

Colorcoat HPS200 Ultra®
Tata Steel

Properties
- Org. nominal thickness: 200 µm;
- Exceptional performance;
- Certified for excellent color and gloss retention;
- Durability certificate valid for up to 40 years;
- Impact resistance: ≥ 18 J;
- Corrosion resistance category: RC5 (EN 10169);
- UV resistance: Ruv4 (EN 10169);
- Prepared for application on photovoltaic panel structures;
- Manufactured in the United Kingdom.

Applications
For outdoor use in harsh environments, such as marine environments, with a high corrosive component. Ideal for warehouses, homes, commercial stores, and factories.

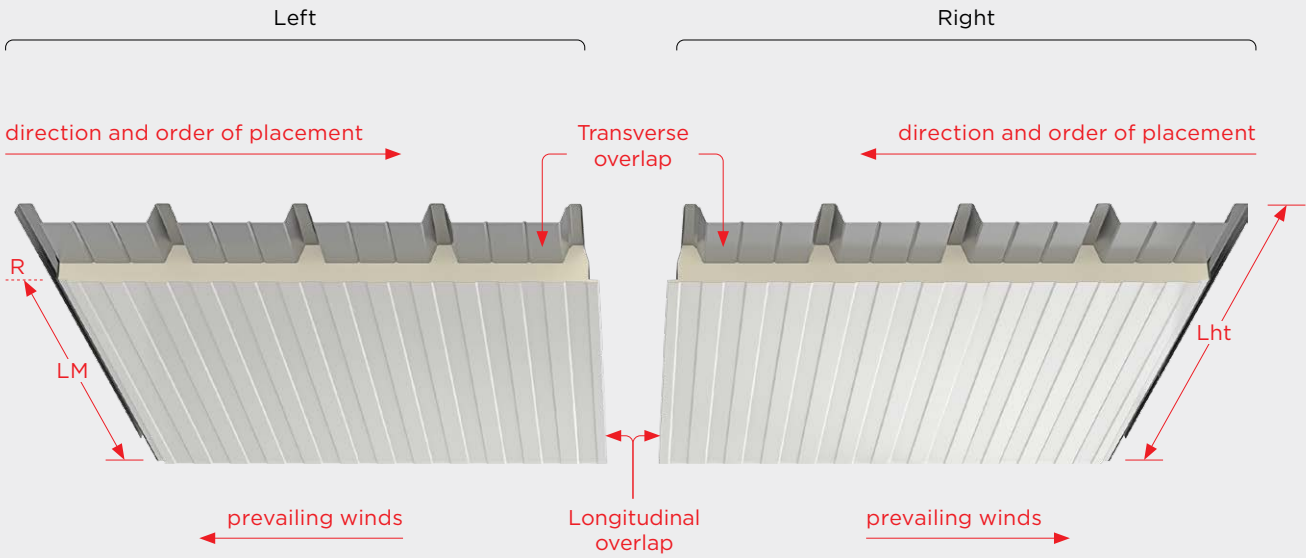
TATA STEEL

HPS200 Ultra® 200 µm White

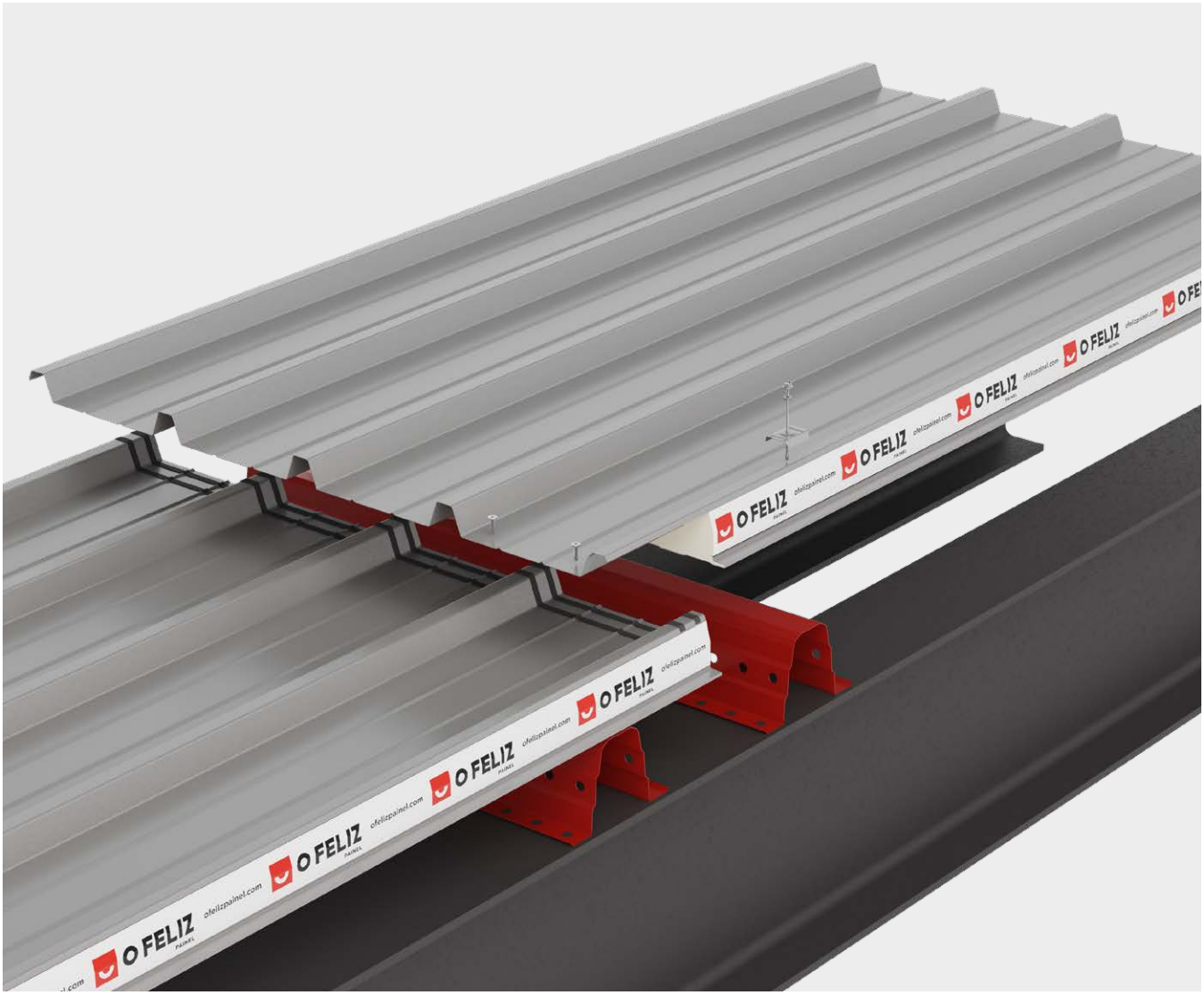
Prisma® 65 µm Aquarius

In all finishes, other colors are available upon prior consultation.

Overlap panel
Topcover 3, Topcover 5 and Topcover Cap: optional.

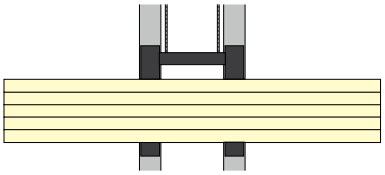


R = 50 mm (eaves cutout) | 100–200–300 mm (overlap cutout)

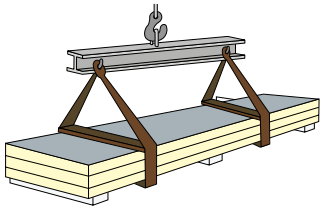


Procedures
Moving and storing sandwich panels

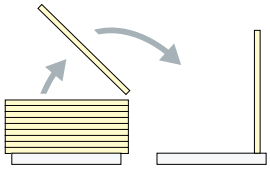
Moving



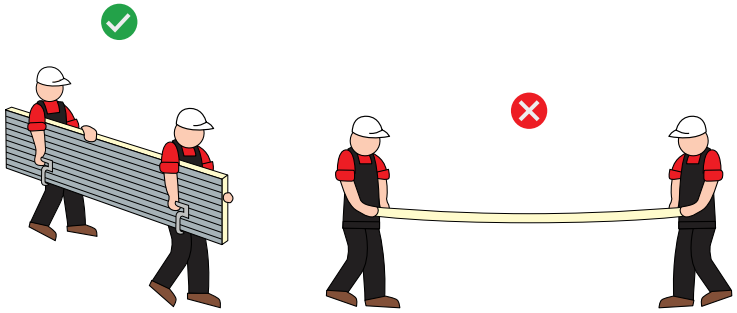
Lifting machine
(up to 6m)



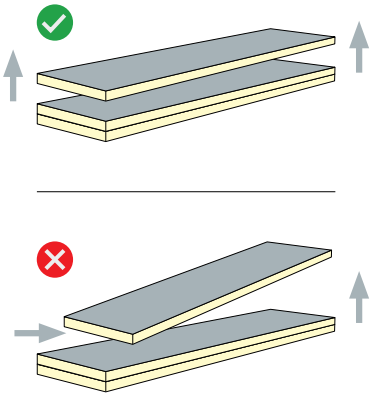
Crane with ladder
(more than 6m)



Place the panels vertically and
on top of the polystyrene foam

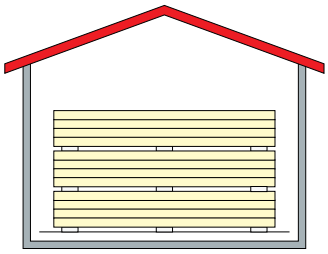


Appropriate and inappropriate
manual transport



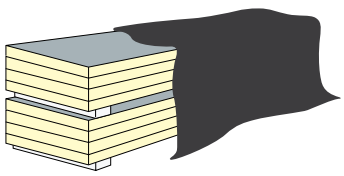
Correct and incorrect
lifting

Indoor storage

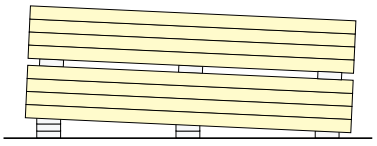


Store in a covered place

Outdoor storage



Cover the panels



Pile up with a slope

1. General Recommendations
1.1 To ensure the durability of the roof, it must have an access system that allows entry for maintenance and cleaning operations. These operations must be performed by specialized personnel, so that access to the roof prevents accidental perforations, scratches, and damage to the sheet metal roof.

1.2 After application, the panel must be completely clean, with no metal shavings in contact with its surface, to prevent rust and subsequent corrosion of the metallic coating. This cleaning should preferably be done with air to avoid scratching the surface of the organic coating. The cut edges of the panel and the molding must also be protected from rust.

1.3 It is important to keep in mind that the type of coating for the panel must be chosen according to the type of corrosion environment at the application site; only then can the expected product durability be ensured.

2. Cleaning
2.1 During the panel's useful life, at least one cleaning must be performed annually.

2.2 Cleaning should be done with clean water, in a descending order. If necessary, depending on the level of soiling, you can use pH-neutral soap and water, in a ratio of 10% detergent to water. The water temperature should be at most 30°C. If a pressure washer is used, it should be set to a pressure of no more than 20 bar.

2.3 If there are localized stains, rub the stain with a damp cloth and then proceed with the general cleaning indicated in 2.2.

2.4 If the existing stains are caused by sealants and mastics adhered to the surface, the stain can be rubbed with a damp cloth and a 15% alcohol solution, taking care to wash the surface immediately with clean water. The solution should never be placed directly on the surface, but rather soaked in a cloth.

2.5 Cleaning should include gutters and drainpipes to remove leaves, soil, moss, and other debris that could obstruct the flow of water, causing excess water to accumulate. This accumulation of water can cause rust and moss growth. After cleaning, verify that the water is flowing normally again.

3. Maintenance
3.1 Throughout the life of the panel, maintenance inspections should be performed to identify any evidence of accidental degradation of the protective coatings, which could cause rust, and perform the necessary maintenance as soon as possible to ensure continued maintenance.

3.2 Inspections should be carried out annually, except in cases where the application site has very aggressive environmental characteristics that require increased frequency.

3.3 The following inspections should be performed:
3.3.1 Check for rust around the edges of cut sheets, edges, and panel overlaps. When this problem is ignored, rust can spread to other areas and cause irreparable damage. In these situations, where there are signs of rust, proceed as follows:

- Cut or polish the areas affected by rust. If polishing/sanding the affected area, sand until the metallic color of the sheet is visible and stop immediately, so as not to damage the sheet;
- Clean the cut/sanded area with clean, cold air and/or water and then dry;
- Apply a coat of anti-corrosion primer to the cut edges or the sanded area (limited to the area where the steel is visible);
- Once the first coat of primer has dried, apply a second coat of the same product to the same area as the previous application, but extending the application to the adjacent areas where the original coating of the sheet remains;
- Apply polyurethane acrylic paint to the modified area. Please note that, although the affected area is painted the same color as the original sheet, the color of the two areas may vary over the course of its useful life.

3.3.2 Check for specific paint defects resulting from scratches, perforations in the sheet, or localized corrosion. In cases where the sheet support is not visible, no further corrective action is necessary; simply applying a coat of acrylic polyurethane paint is sufficient. In cases where the sheet substrate is visible, corrective maintenance should be performed, proceeding as follows:

- Clean the affected area and its surroundings;
- Apply a light polyurethane epoxy primer;
- Apply acrylic polyurethane paint to the affected area with a fine brush, covering only the damaged area and not the original layer of the sheet. Please note that, although the affected area is painted the same color as the original sheet, the color of the two areas may vary over its useful life.

In cases where corrosion of the sheet is already evident, proceed as described in section 3.3.1.

3.3.3 Inspect the condition of mechanical fasteners, which, if improperly installed or in poor condition, can cause water infiltration and rust stains. In such cases, proceed as follows:

- Replace defective bolts;
- In the case of localized rust on the sheet metal, proceed as described in section 3.3.1.

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