



# SPECIFICATION SHEET

January 2025

## PRODUCT REFERENCE

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Insulated Roof Panel PUR 10mm



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## GENERAL DATA

### PRODUCT CODE

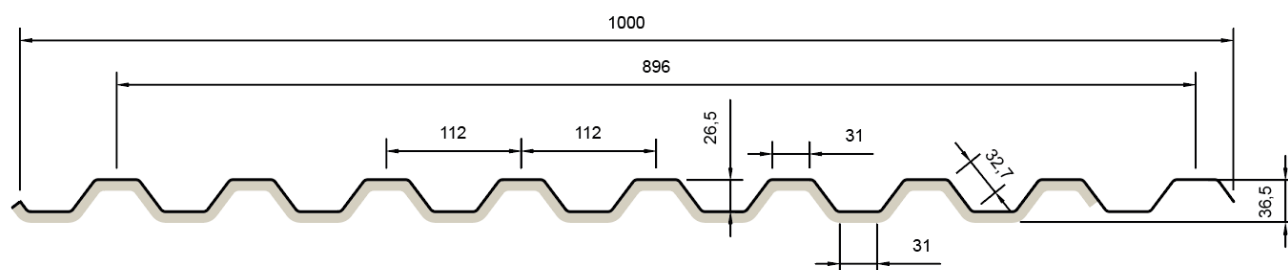
- **Roof Panel:** Insulated Roof Panel PUR 10mm

### DETAILS OF CLASSIFIED PRODUCT

#### Nature and end use application

The product **INSULATED ROOF PANEL PUR 10MM** is defined as a self-supporting single skin metal faced insulating panel. Its classification is valid for the following end use application(s):

- Wall - Without non combustible substrate
- Ceiling - Without non combustible substrate



TECHNICAL DATA	VALUE
Overall width	1000mm
Cover width	896mm
Corrugation pitch	112mm
Depth of profile	27mm
Side lap	1 rib
Minimum roof pitch	4 Dg
Approx weight when installed	6.55 Kg/m <sup>2</sup>
Maximum purlin spaces	1880mm
Cutback	No Cutback

## CHARACTERISTICS

ELEMENT	THICKNESS	REFERENCE STANDARD
Topside metal facing	0.40mm	EN 14509
Insulation core	10mm	EN 14509
Underside liner	N/A	N/A

## INSULATION TABLE

INSULATION THICKNESS	CORE TYPE	WEIGHT	DENSITY	U-VALUE	THERMAL RESISTANCE R
10mm	Polyurethane PUR	6.55 Kg/m <sup>2</sup>	65±5 kg/m <sup>3</sup>	1.44 W/m <sup>2</sup> K	1.41 m <sup>2</sup> K/W

## CHARACTERISTICS TABLE

ELEMENT	VALUE
Density (with skin)	65 Kg/m <sup>3</sup>
Thermal transmittance	1.44W/m <sup>2</sup> K
Thermal conductivity	λ = 0.023 W/mK
Reaction to fire	F
Fire resistance	NPD
Fire resistance from the outer side	Broof T3
Water permeability	NPD
Permeability to water vapour	Impermeabile
Air permeability	NPD
Noise insulation	NPD

## Loading spans

### Terminology

**Span:** The distance between the supports or purlins measured in millimetres.

**Single span:** The maximum permissible load for panels spanning between **two supports only** (a single span configuration).

**Double span:** The maximum permissible load for panels spanning across **three supports** (a double span configuration).

**Multi span:** The permissible load for panels spanning across **four or more supports** (a continuous or multi-span configuration).

**KN/M<sup>2</sup>:** The loads are measured in kilonewtons per square metre which indicates the force applied per unit of area of the panel.

### Permissible download imposed loads

SPAN (MM)	SINGLE SPAN (KN/M <sup>2</sup> )	DOUBLE SPAN (KN/M <sup>2</sup> )	MULTI SPAN (KN/M <sup>2</sup> )
1200	3.0	2.5	2.8
1400	2.3	2.0	2.2
1600	1.8	1.6	1.7
1800	1.4	1.3	1.4
2000	1.1	1.1	1.2
2200	0.8	0.9	1.0
2400	0.6	0.7	0.8

### Permissible wind uplift loads

SPAN (MM)	SINGLE SPAN (KN/M <sup>2</sup> )	DOUBLE SPAN (KN/M <sup>2</sup> )	MULTI SPAN (KN/M <sup>2</sup> )
1200	2.8	2.3	2.6
1400	2.1	1.9	2.0
1600	1.7	1.5	1.6
1800	1.3	1.2	1.3
2000	1.0	1.0	1.1
2200	0.7	0.8	0.9
2400	0.5	0.6	0.7