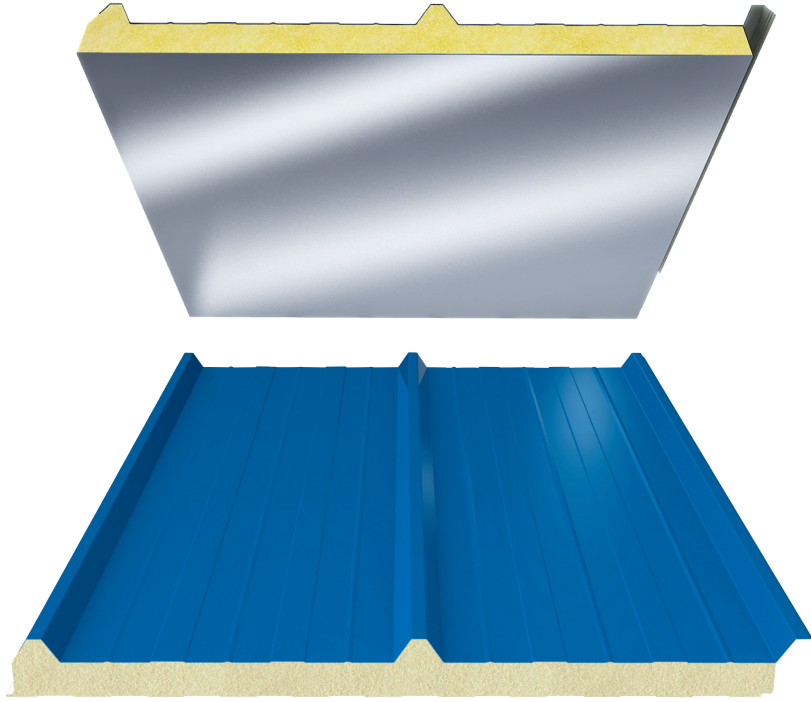


## N3 Foiled Roof Panel



### Product Information

It is a three-indented lateral connected sandwich panel. Roofs with a 10% gradient can be covered. Its biggest advantage is that it enables fast assembly thanks to lateral connected panel connection.

### Production Plant

İskenderun

### Product Application

- Industrial Buildings
- Military Buildings
- Public Buildings
- Agricultural Buildings
- Sports Facilities
- Construction Site Buildings
- Silos
- Hypermarkets
- Shopping Centers
- Storehouse Halls
- Administrative Buildings

And all other concrete structures with steel or prefabricated load bearing systems.

Assan Panel reserves the right to change the features of its products. The property rights of third parties must be respected. Acceptance of all orders is based on our current terms of sale and shipping. Users should always consider the latest edition of the Local Product Information Sheet for the relevant product, which can be obtained by contacting Assan Panel.

## Performance Advantages

Best heat insulation values.

Fast and problem-free assembly saves both time and labor.

PIR does not keep water within its body and it does not accommodate bacteria and insects.

It has an environmentally friendly core filling.

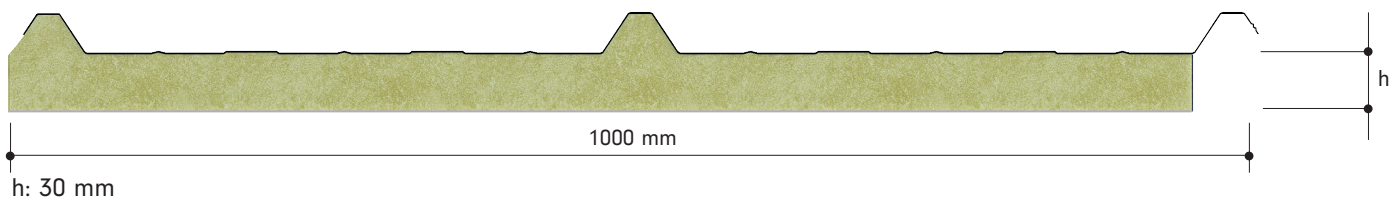
The colorful surface does not require additional coating like plaster or paint.

Color can be selected from the RAL catalogue.

There are surface paint options (Polyester, PvdF, Plastisol, PVC) suitable to the place of use.

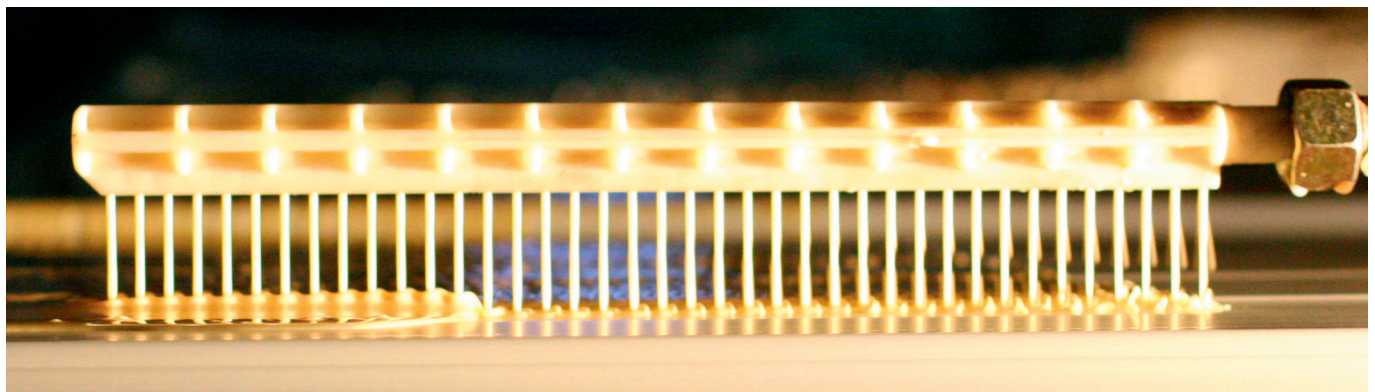
Usable as a roof cover for minimum 10% slope.

## Measurements



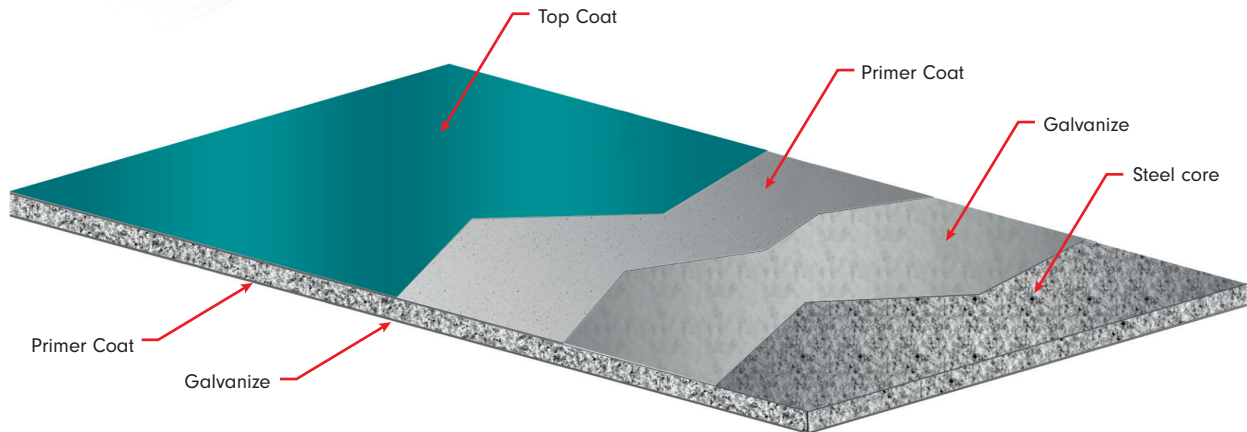
<b>Favorable Width</b>	1000 mm
<b>Minimum boy</b>	3 meters
<b>Minimum Width</b>	Depends on the transport conditions

## SmartCore - PIR Elite - PIR



<b>Density (EN 1602)</b>	PIR: 40 (±2) kg/m <sup>3</sup> & SmartCore-PIR Elite: 41 (±2) kg/m <sup>3</sup>
<b>Thickness</b>	30 mm
<b>Thermal Conductivity (EN 13165)</b>	PIR Elite-PIR: 0,022-0,024 & SmartCore: 0,019 W/mK
<b>Dimensional Stability (EN 13165)</b>	Level DS (TH) 11
<b>Reaction to Fire (EN 13501)</b>	SmartCore-PIR Elite: B-s1,d0 & PIR: B-s2,d0
<b>Water Absorption (EN ISO 354)</b>	2% by volume (168 hrs)
<b>Closed cell rate (EN 14509)</b>	95%
<b>Vapour Diffusion Resistance (EN 12086)</b>	30-100
<b>Heat Resistance</b>	-200 /+110 °C

## Steel Surfaces



## Prepainted Galvanized Steel Structure

<b>Metal Type</b>	Painted Galvanized Sheet
<b>External Facing Thickness</b>	0,50-0,70 mm
<b>Thickness Tolerance (EN 10143)</b>	Nominal
<b>Steel Quality (EN 10327)</b>	Dx51 D+Z Prepainted Galvanized Steel (last coat polyester paint on primer)
<b>Paint Type</b>	Polyester, PvdF, Plastisol, PVC

## Aluminium Steel Surface

<b>Type</b>	Aluminium
<b>Specification</b>	Lacquered 20· Al foil / 20 gr / m <sup>2</sup> PE / 350 gr / m <sup>2</sup> Chromium Carton / 20 gr / m <sup>2</sup> PE

## Thermal Conductivity Values

Panel Thickness	U Thermal Conductivity W/m <sup>2</sup> K)	R Thermal Conductivity (m <sup>2</sup> K/W)	R Thermal Conductivity (ft <sup>2</sup> °F h/Btu)
30 mm	0.733	1.364	7.743

## Tolerance Values








Panel Length	Panel Thickness	Panel Cover Width	Rectangularity
L≤3000 mm. ise- ±5 mm., L>3000 mm. ise ±10 mm	D ≤ 100mm ±2mm	For all profiles ±2mm	0.6% of s ≤ nominal cover thickness (Width x 0.006)

According to TSE EN 14509.

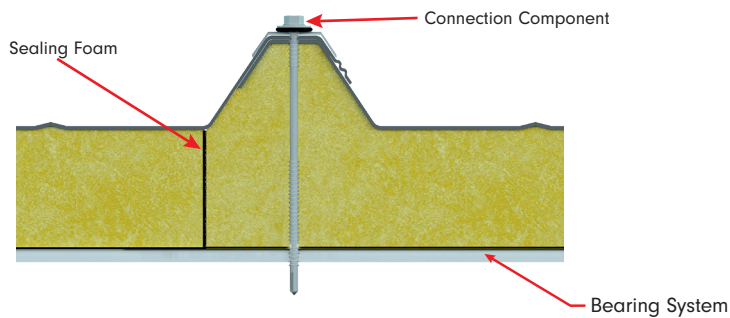
## Standard Package

<b>Thickness (mm)</b>	<b>30</b>
<b>Quantity</b>	<b>22</b>

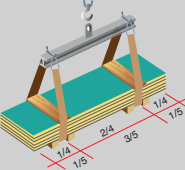
## Standard Colour Options

RAL 3009	RAL 5010	RAL 5018	RAL 6021	RAL 7016	RAL 9002	RAL 9006
						

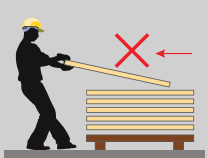
## Joint Details



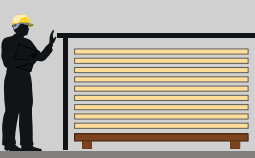
## Transportation and Protection of Sandwich panel



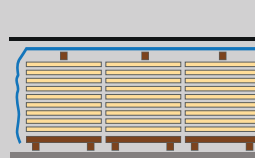
During hoisting take precaution for the sling.




Do not drag panels in a pile, or on the roof purlins. Lift panels from both ends when moving or laying in place.



Panels to be stored on site for long periods should be stacked in covered areas. Wherever possible, always place stacks preferably on wooden wedges, against ground water.



For shorter periods, stacks should be arranged on sloppy areas with a simple scaffolding and polyethilen cover, leaving space for ventilation. Place stacks on a simple wedge.



Do not walk on panels.