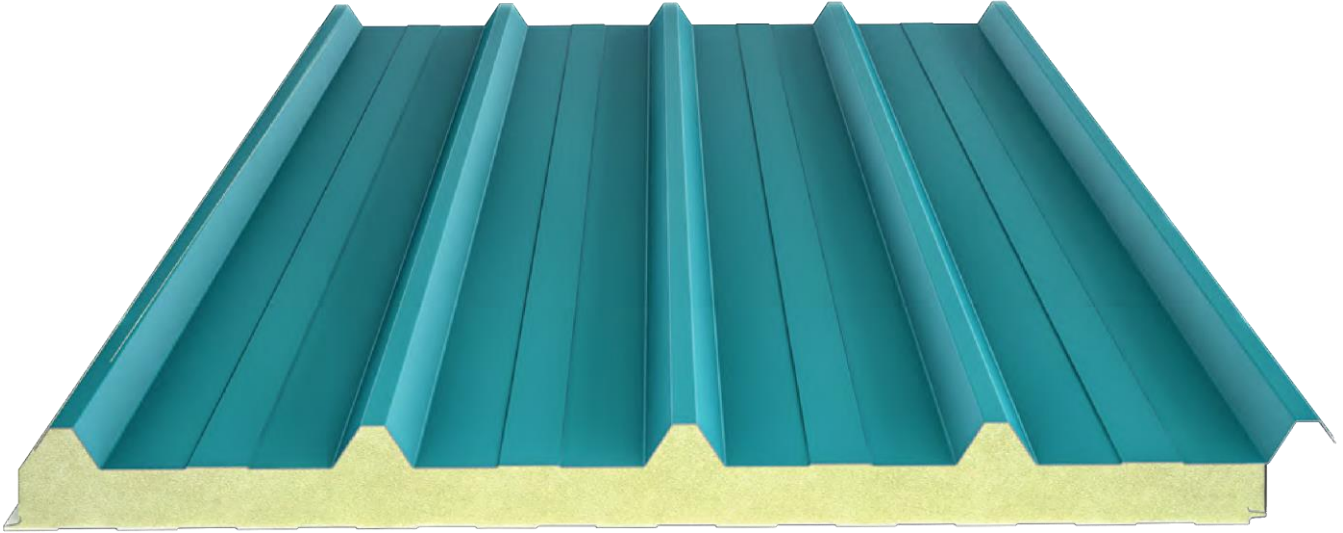


Opti Panel PIR N5



Product Description

5-Rib Roof Sandwich Panel

Place of Production

Istanbul, İskenderun ve Balıkesir

Fields of Application

Structures with steel or prefabricated concrete carrier system, such as

- Industrial Buildings
- Military Buildings
- Social Buildings
- Agricultural Buildings
- Sports facilities
- Worksite buildings
- Silos
- Hypermarkets
- Shopping malls
- Marketplace buildings
- Administrative buildings

Operators using Assan Panel products must be trained, experienced, competent and qualified to install the product by adhering to Assan Panel's technical documentation. Operators must use appropriate personal protective equipment and take occupational safety precautions when using this product. This technical document is based on current product information at the time of publication. Assan Panel reserves the right to change the specifications of the relevant products. Users should always refer to the latest edition of the Local Product Data Sheet of the relevant product, which can be obtained by contacting Assan Panel.

Performance Assessment

The best thermal insulation values.

Fast and smooth installation allows for saving both time and labor.

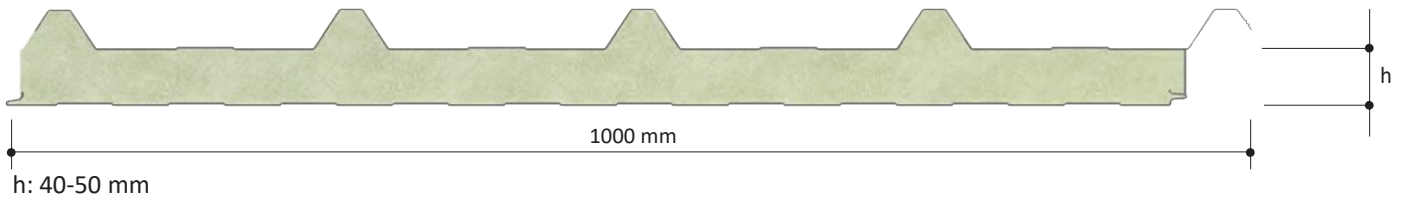
Polyisocyanurate does not retain water, it does not host any bacteria or pests.

It is eco-friendly as n-Pentane gas is used as blowing agent for polyisocyanurate.

Does not require any additional coating such as plaster, paint, etc. thanks to its color surface.

Applicable by minimum 5% elevation as roofing.

Sizes



Effective Width	1000 mm
Minimum length	3 m
Maximum length	Depends on Shipping Conditions

Polyisocyanurate (PIR)



Poliizosiyanurat Yoğunluk (EN 1602)	38 ±2 kg/m ³
Polyisocyanurate Thickness	40-50 mm
Thermal Conductivity Coefficient (EN 13165)	0.022-0.024 W/mK
Upper Metal Thickness	0.45 mm
Lower Metal Thickness	0.35 mm
Fire Classification (EN 13501)	b.s2.d0
Sheet Quality (EN 10327)	DX51 D+Z Painted Galvanized Sheet (Polyester finish on primer)

Thermal Conductivity

Panel Thickness	U Thermal Conductivity (W/m ² K)	R Thermal Conductivity (m ² K /W)	R Thermal Conductivity (ft ² °F h/Btu)
40 mm	0.547	1.8281	12.550
50 mm	0.447	2.2371	15.400

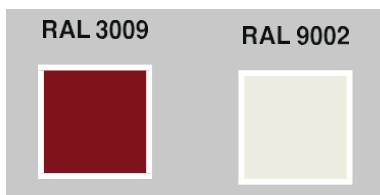
Mechanical Characteristics

Yield Strength of Steel Surfaces	Min. 220 N /mm ² (BGS)
Panel Tensile Strength	Min. 0.018 Mpa
Core Material Compression Resistance	Min. 0.095 Mpa

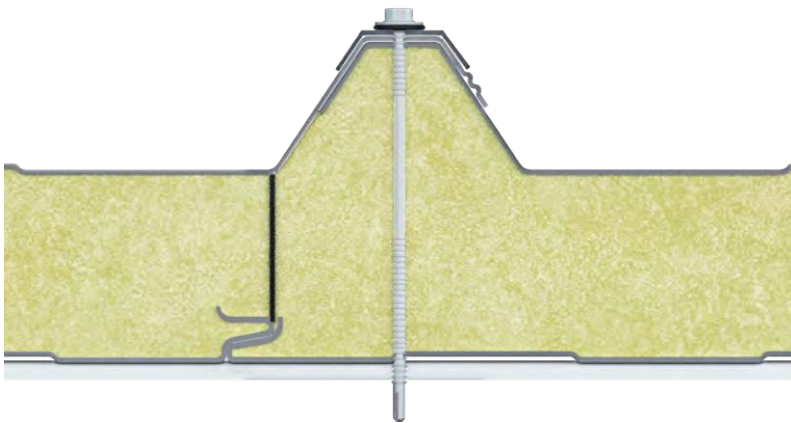
Tolerance Values

Panel Height	Panel Thickness	Panel Cover Width
if L ≤ 3000 mm., ±5 mm., if L > 3000 mm., ±10 mm.	D ≤ 100mm ±2mm	±2mm for all profiles

Standart Colour Options



Joint Details



Protection of Sandwich Panels

