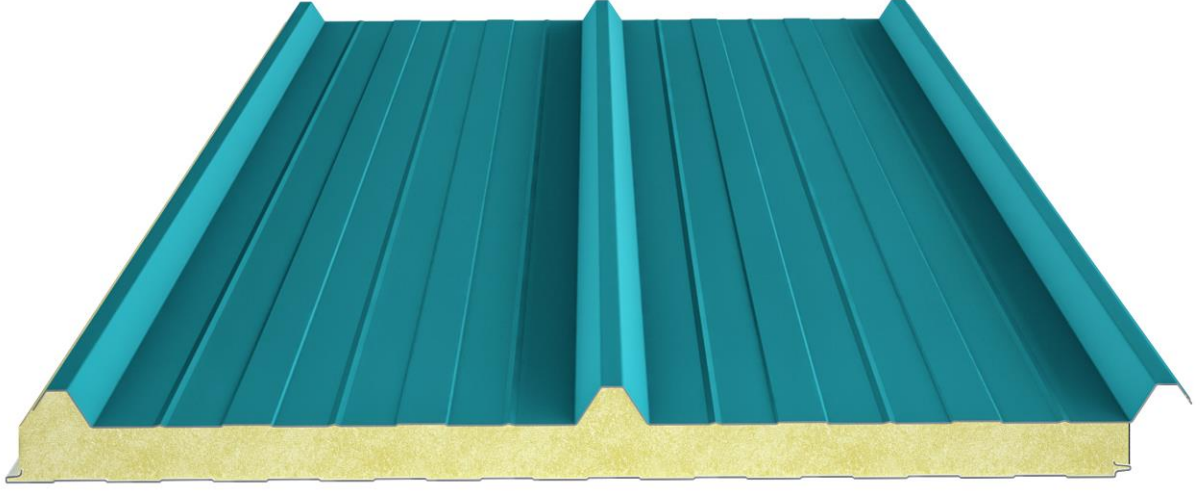


## Opti Panel LP PIR N3 Roof Panel



### Product Information

Opti Panel LP PIR N3 Roof panel is a three ribs profiled roof panel. Its biggest advantage is that it enables quick installation thanks to the side overlap panel connection.

### Production Plant

İstanbul, İskenderun ve Balıkesir

### 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.

## Performance Advantages

Good heat insulation values.

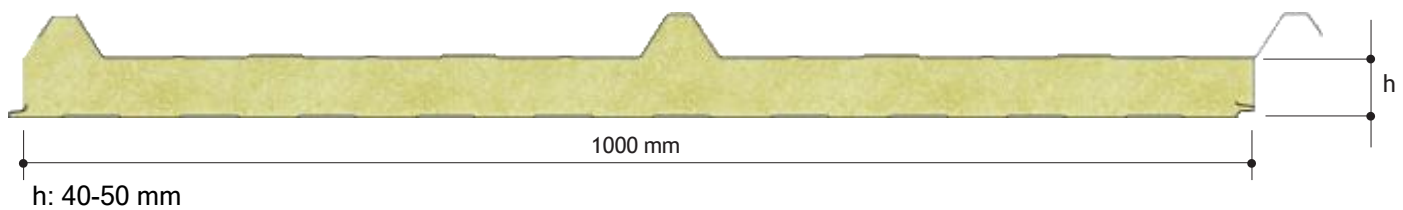
Fast and problem-free assembly saves both time and labor.

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

Thanks to n-Pentane which is used to inflate the Polyurethane, no damage is caused to nature.

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

## Measurements



<b>Favorable Width</b>	1000 mm
<b>Minimum Height</b>	3 meter
<b>Maximum Height</b>	Depends on the transport conditions.

## Polyisocyanurate (PIR)



<b>Polyurethane Density (EN 1602)</b>	38±2 kg/m <sup>3</sup>
<b>Polyurethane Density</b>	40-50 mm
<b>Thermal Conductivity (EN 13165)</b>	0,022-0,024 W/mK
<b>External Facing Thickness</b>	0,60-0,35 mm
<b>Internal Facing Thickness</b>	0,50-0,30 mm
<b>Steel Quality (EN 10327)</b>	Dx51 D+Z Prepainted Galvanized Steel (last coat polyester paint on primer)

## Thermal Conductivity Values

Thickness	Thermal Conductivity (W/m <sup>2</sup> K)	Thermal Resistance (m <sup>2</sup> K /W)	Thermal Resistance (ft <sup>2</sup> °F h/Btu)
40 mm	0,575	1,739	9,875
50 mm	0,460	2,174	12,343

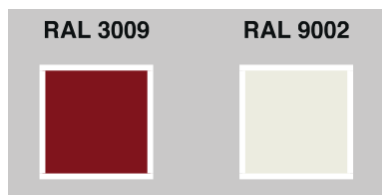
## Mechanical Properties

Steel Surface Yield Strength	Min. 220 N /mm <sup>2</sup> (BGS)
Panel Tensile Strength	Min. 0,018 Mpa
Compressive Strength of Core Material	Min. 0,095 Mpa

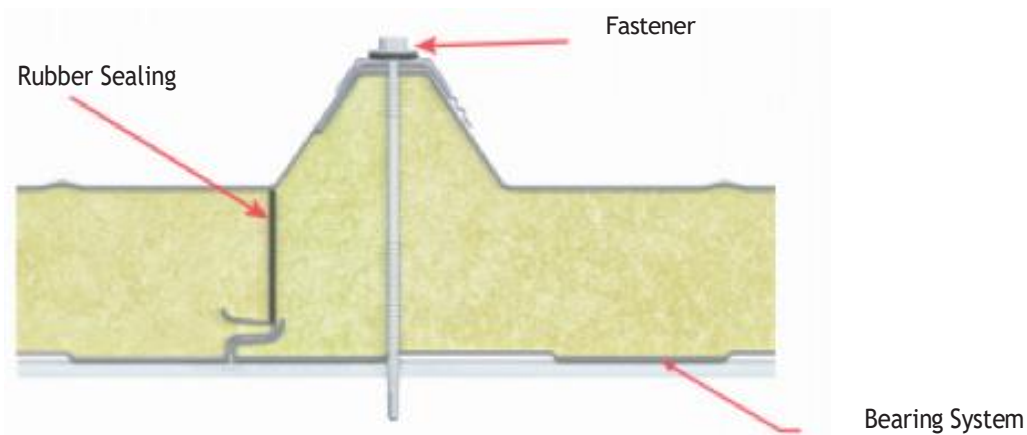
## Tolerance Properties

Panel Length	Panel Thickness	Panel Cover Width
If L ≤ 3000 mm, -±5 mm; If L > 3000 mm, ±10 mm	D ≤ 100 mm ±2 mm	±2 mm for all profiles

## Standard Colour Options



## Joint Detail



## Transportation and Protection of Sandwich Panel

