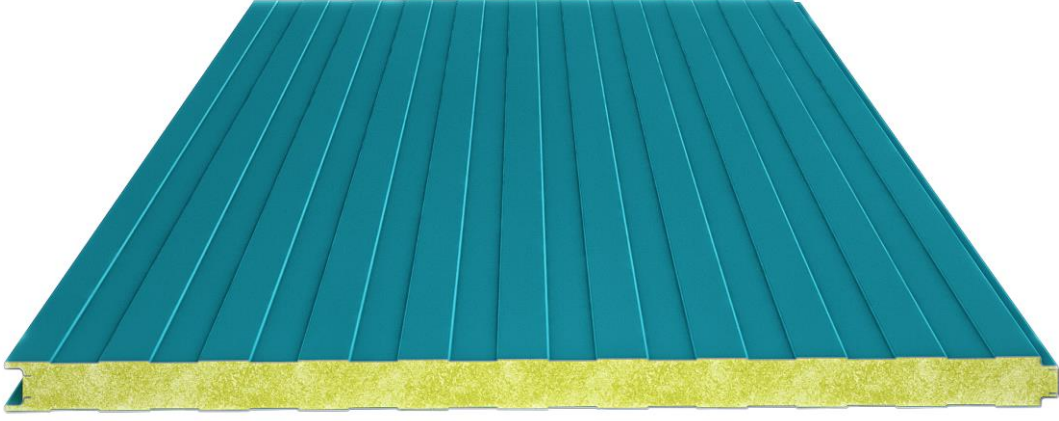


Opti WD External Screwed Wall Panel



Product Information

In addition to the durable attachment it provides with double sided tongue-in-groove sections, the fast assembly capability make these panels preferable for prefabricated buildings.

Üretim Yeri

İstanbul, İskenderun

Uygulama Alanları

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

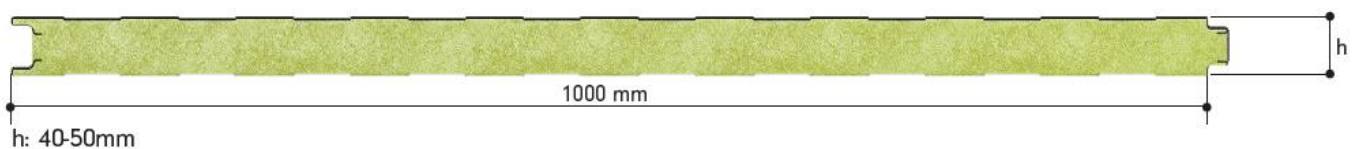
and all other concrete structures with steel or prefabricated load bearing systems.

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

Provides ideal thermal insulation with thinner panels compared to alternative insulation materials.
 Fast and problem-free assembly saves time and labor.
 The polyurethane structure does not retain water and allow bacteria and pests to develop.
 The use of n-Pentane gas in inflating polyurethane prevent environmental damage.
 The colorful surface eliminates the need for additional coatings like plaster and paint.
 Color options available in the RAL catalogue.
 Surface paint options available according to application (Polyester, PvdF, Plastisol, PVC).

Measurements



Favorable Width	1000 mm
Minimum Height	3 meter
Maximum Height	Depends on transport conditions.

Polyurethane (PUR)



Polyurethane Density (EN 1602)	38 ±6 kg/m ³
Polyurethane Density	40-50 mm
Thermal Conductivity (EN 13165)	0,022-0,024 W/mK
External Facing Thickness	0,40-0,35 mm
Internal Facing Thickness	0,40-0,30 mm
Steel Quality (EN 10327)	Dx51 D+Z Prepainted Galvanized Steel (last coat polyester paint on primer)

Thermal Conductivity Values

Thickness	Thermal Conductivity (W/m ² K)	Thermal Resistance (m ² K /W)	Thermal Resistance (ft ² °F h/Btu)
40 mm	0,575	1,739	9,875

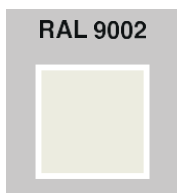
Mechanical Properties

Steel Surface Yield Strength	Min. 0,018 Mpa
Panel Tensile Strength	Min. 0,095 Mpa
Compressive Strength of Core Material	Min. 0,018 Mpa

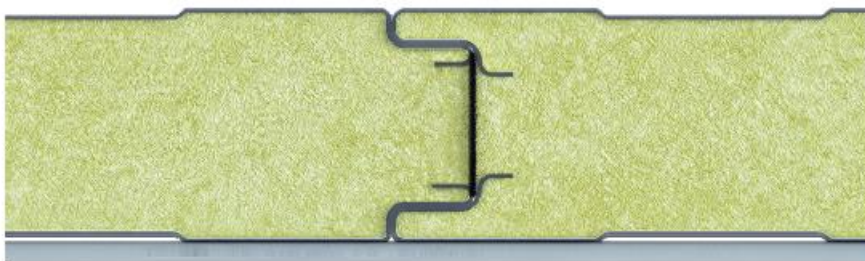
Tolerance Properties

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

Standard Colour Option



Joint Details



Transportation and Protection of Sandwich Panel

