

Specs of Insulated water boards .

All board dimensions are 1.20m x 2.40m.

Thickness is 16mm which include 10mm polystyrene and 6mm water boards.

Specs of properties.

- Water proof and non- corrosive.
- Resist to termite.
- Resistant for high impact depending on thickness.
- Good heat resistant for comfort homes, offices and industrial.
- Easy to install and customize your design.
- Asbestos free.
- Resist hot and cold temperatures.

These boards are the new generation of fibre materials which are made from silica, cement, resin and special cellulose that give the strength, durability and elasticity all in one. They are produced with Autoclave technology, specially designed for ceiling and walls for internal applications.



Flame Retardant Expanded Polystyrene

-- a flame retardant (FR) expanded polystyrene grade containing a cycloaliphatic brominated hydrocarbon as an FR additive.

End product

	<u>10 kg/m³</u>	<u>15 kg/m³</u>	<u>20 kg/m³</u>	<u>30 kg/m³</u>	<u>40 kg/m³</u>
Compressive stress (10 %), (kPa)	35	75	115	200	280
Bending strength, (kPa)	120	180	240	390	560
Heat conductivity (λ_{10}), (W/mK) Heat flow meter-method	0.045	0.037	0.035	0.033	0.032

Fire Rating

Complies with DIN 4102 B1 (German) and EN 13501-1 class E (EU)

Applications

This EPS is suitable for light insulation board and impact sound-insulation board ("Trittschall") in accordance with DIN 4102 part 1, class B1 (test certificate Z-PA-III 2.2575 of the Deutsches Institut für Bautechnik, Berlin).

Long term heat resistance: max. temperature 85 °C