

Test	Measured Value	Unit
Density Core	38 - 42	Kg/m ³
Compressive Strength	100 ~ 210	Kpa
Tensite Strength	150 ~ 250	Kpa
Shear Strength	100 ~ 240	Kpa
Thermal Conductivity ('K' Value)	0.019 (±0.002)	W/m°C
Closed Cells	> 90	%
Water Absorption by Volume (After 24 hours)	1.0	%
Fire Resistance Unit	B3 as per DIN 4102 (B2 & PIR upon request)	

Comparative insulation values for different kinds of insulation materials



Insulation

As per the company's green initiative, ISOTHERM ensures that all foaming agents are environment friendly and CFC free. ISOTHERM uses polyurethane as foaming agent which does not deteriorate over time and does not absorb smells. The panels are neither toxic nor irritating and they do not support the development of fungi or mildew. These products are classified as B3 & B2 according to European Fire Retardant Standard.

Thickness & Dimension

Insulated Panels are available in 50, 60, 80, 100, 120, 150 & 200 mm thick and density will be 40-42 Kg/m³. The maximum length of the panels will be 12 m and can be produced according to the project demands. All kind of Cold room door's like Sliding, Hinged, Swing etc. are available and will be manufactured as per the standard on request.

