

## BituTHERM TECHNICAL DATA

### Typical Physical Properties - BituTHERM XPS BOARD

S.No.	Properties	Test Method	Unit	LD	ND	MD	HD
1	Density, min.	ASTM D 1622	Kg/m <sup>3</sup> lb/ft <sup>3</sup>	26-28 1.6-1.7	32-35 2-2.2	38-42 2.4-2.6	48-50 3.0-3.2
2	Thermal Conductivity (K)	ASTM C 518	w/mok Btu.in/sq.ft hr oF	0.029 0.21	0.028 0.20	0.026 0.18	0.026 0.18
3	Compressive Strength at 10% deflection, min	ASTM D 1621	Psi kPa	26.0 180	45.0 300	70-100 480-700	100.0 700
4	Flexural Strength, min	ASTM C203, Method I, Procedure B.	Psi kPa	50 345	60 414	75 517	100 690
5	Water Absorption by Submersion, min.	"ASTM D 2842 (+1% By vol. precision)"	% by vol.	0.30	0.30	0.30	0.30
6	Water Vapour Permeance, max	ASTM C 355	Perm/inch	1.50	1.10	1.10	1.10
7	"Dimensional Stability (Change in dimension), max."	ASTM D 2126	%	2.0	2.0	2.0	2.0
8	Oxygen Index, min.	ASTM D 2863	Vol., %	24.0	24.0	24.0	24.0
9	Fire Classification according to ASTM E84, standard method for Surface Burning Characteristics of Building Material under designation ASTM C578	ASTM E 84	-	Class I or A1	Class I or A1	Class I or A1	Class I or A1
10	Classification Type	ASTM C 578	-	IV	VI	VII	V

LD = Low Density - ND = Nominal Density - MD = Medium Density - HD = High Density

Bitumat BituTHERM is following the ASTM Standard C 578.

The information in this Technical Data Sheet is given to the best of our knowledge. However, as the product is often used under conditions beyond our control, we cannot guarantee but the product itself.

BITUMAT reserves the possibility to change, without warning, the technical characteristics in order to make the product more responding to the application requirements.



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