

PermaBase® Multi-Thickness Data Sheet

Property	Standard	6mm	9mm	13mm	16mm	19mm	25mm
Board weight (kg/m ²)	ASTM C473	8,8	11,0	14,7	17,8	21,4	28,3
Board nominal thickness (mm)	ASTM C473	6,8	9,5	12,5	15,9	19,0	25,4
Flexural strength (MPa)	ASTM C1185 / C947	>12,1	>8,6	>6,9	>6,9	>3,5	>3,5
Fastener pull trough resistance (N)	ASTM D1037	>378	>445	>667	>1112	>1335	>1779
Indentation strength @ 1,3mm (MPa)	ASTM D2394	n/a	n/a	15,5	n/a	n/a	n/a
Water absorption (24hrs, %)	ASTM C473	<8	<8	<8	<8	<8	<8
Linear variation VS moisture change (%)	ASTM D1037	n/a	<0.07	<0.07	<0.07	<0.07	<0.07
Freeze thaw resistance (cycles)	ASTM C666 (B)	100	100	100	100	100	100
Wind load (kg/m ²)	ASTM E330	n/a	146	195	n/a	n/a	n/a
Thermal conductance (U value) (W/m ² ·°K)	ASTM C518	28,6	20,4	15,3	12,3	10,3	7,7
Thermal conductivity (K value) (W/m·K)	ASTM C518	0,196	0,196	0,196	0,196	0,196	0,196
Thermal resistance (Rsi value) (m ² ·K/W)	ASTM C518	0,035	0,049	0,064	0,081	0,097	0,130
Bending radius (m)	Property of material	0,9	0,9	1,5	1,5	2,4	2,4
Standard method for evaluating ceramic floor installation system	ASTM C627	Light commercial	Light commercial	Light commercial	Light commercial	Light commercial	Light commercial
Shear bond strength (Mpa)	ANSI A118.4	>1,7	>1,7	>1,7	>1,7	>1,7	>1,7
Bacteria resistance (0=no growth)	ASTM G22	0	0	0	0	0	0
Fungus resistance (0= no growth)	ASTM G21	0	0	0	0	0	0
Flame spread /Smoke development	ASTM E84	0/0	0/0	0/0	0/0	0/0	0/0
Fire resistance	ASTM E119 / ULC S101	n/a	n/a	1hr and 2 hrs assemblies	1hr and 2 hrs assemblies	n/a	n/a



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2001, Rexford Road
 Charlotte, NC 28211
 1-800-NATIONAL
 1-800-628-4662
 www.nationalgypsum.com

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