

Width, nominal	Densglass 1/2 in (12.7mm)	Densglass 5/8 in (15.9mm)	Densglass test	Magnum 12 mm	Magnum test
Length, standard	4 ft +/- .125 in	4 ft +/- .125 in		4 Ft, +/- .125	C1186
Weight, nominal, lbs./sq. ft.	8, 9, 10 ft +/- .25 in	8, 9, 10 ft +/- .25 in		8, 9, 10 ft +/- .125 in	C1,186
Thickness available, mm	1.9	2.5		2.3	
Bending radius, ft	13	16		3,4,6,8,10,12,16,18,25	C1,186
Racking strength, , lbs./ft. (dry) (N/m), Ultimate—not design value	1	8		7	
Flexural strength, parallel, lbf. (N), weak direction	> 540lbf dry	>654 lbf dry		3367 lbf wet	AC376 - E72
Compressive strength min.	≥80(356)	≥100(445)		1038 psi	C1185
Humidified deflection	500 psi (3445 kPa)	500 psi (3445 kPa)		1200 psi	C1325
Permeance, , Perms (ng/Pa*s*m2)	< .25 in. 6mm	<.125 in 3mm	C1396	0	C1396
R Value, ft2/F/hr/BTU (m2/K/W)	>23 (1300)	>17 (970)		196	E96 proc. A
Combustibility	0.56	0.67		0.6	
Surface burning characteristics: flame spread/smoke developed	Noncombustible	Noncombustible	E136	Noncombustible	E136
Coefficient of thermal expansion, in/in/°F	0	0	ASTM E84	0	E84
Linear expansion with moisture change, in/in %RH	8.5 x 10 to minus 6 power,	8.5 x 10 to minus 6 power		3.97 x 10 to minus 6	D696-08
Freeze thaw cycling	6.25 x 10 to minus 6	6.25 x 10 to minus 6		2.08 x 10 to minus 5	
Mold growth resistance				pass	C1185
Nail head pull through	10	10	D3273	10	D3273
shear bond strength portland, psi				174.8 lbf	C1325
shear bond strength latex, psi				169	C1325
warranty				234	C1325
able to tile or stucco directly to board	5 and 12 yrs	5 and 12 yrs		30 yrs	
toxicity testing to U. Pitt protocol	no	no		yes	C1325
MSDS safety procedures	contains silica	contains silica		non toxic	U. Pitt Protocol
hazardous materials	use NIOSH app. respirator	use NIOSH respirator	Z88.2	use dust mask	
disposal	delayed hazard	delayed hazard	SARA	no hazards	CERCLA
	separate waste process	separate		landfill or recycle	