

Reynobond® ZCM

Load Deflection Data

RB160FR ZCM Panel

ASTM E72 Test Procedure

Panel consists of "FR" core laminated with 0.028" (0.7mm) zinc skins, top and bottom.

Load Lbs/Sq. Ft.	Panel Size 37" by 37"		Panel Size 37" by 72"		Panel Size 37" by 108"	
	Panel Deflection At Mid-Point (under load)	Panel Set (no load)	Panel Deflection At Mid-Point (under load)	Panel Set (no load)	Panel Deflection At Mid-Point (under load)	Panel Set (no load)
5	0.099"	0.011"	0.211"	0.010"	0.201"	0.014"
10	0.165"	0.013"	0.371"	0.017"	0.405"	0.021"
15	0.226"	0.017"	0.504"	0.027"	0.590"	0.032"
20	0.279"	0.021"	0.617"	0.038"	0.755"	0.050"
25	0.329"	0.025"	0.722"	0.056"	0.869"	0.078"
30	0.369"	0.031"	0.815"	0.075"	1.090"	0.115"
35	0.410"	0.038"	0.903"	0.100"	1.231"	0.159"
40	0.446"	0.046"	0.988"	0.132"	1.372"	0.218"
45	0.482"	0.054"	1.063"	0.164"	1.508"	0.283"
50	0.512"	0.058"	1.134"	0.201"	1.639"	0.360"
55	0.542"	0.064"	1.212"	0.250"	1.757"	0.438"
60	0.571"	0.073"	1.286"	0.299"	1.874"	0.516"

NOTE:

The panel is mounted to a support frame that provides an air tight seal to the vacuum test frame. An indicator is mounted at the center of the panel and set to zero. Vacuum load is applied and held for five minutes, a reading is taken at the center of the panel to determine the panel deflection at that load. The vacuum is removed and after a five minute wait the reading is repeated to determine panel set with no vacuum load. This process is repeated through the entire load sequence providing data that is used to build the deflection chart above.



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