



ARMOROC STRUCTURAL CEMENT BOARD

Published 12/1/15

SINGLE SPAN LOADING CONDITION				
(FOR PANELS SPANNING ONE SPAN)				
Uniformly Distributed Loads - Lbs per square foot				
Span: Center-to-center of supports (inches)				
ARMOROC PANEL THICKNESS	LOAD GOVERNED BY *	12"	16"	24"
8mm (5/16")	L/360 ▲ limit between supports	20*	8*	2*
	L/240 ▲ limit between supports	30*	12*	3*
10mm (3/8")	L/360 ▲ limit between supports	39*	16*	4*
	L/240 ▲ limit between supports	59*	24*	7*
12mm (1/2")	L/360 ▲ limit between supports	67*	28*	8*
	L/240 ▲ limit between supports	97*	43*	12*
16mm (5/8")	L/360 ▲ limit between supports	161*	67*	20*
	L/240 ▲ limit between supports	172	97	30*
19mm (3/4")	L/360 ▲ limit between supports	243	113*	33*
	L/240 ▲ limit between supports	243	136	50
22mm (7/8")	L/360 ▲ limit between supports	326	176*	52*
	L/240 ▲ limit between supports	326	183	78*
25mm (1")	L/360 ▲ limit between supports	421	237	76*
	L/240 ▲ limit between supports	421	237	105*
28mm (1-1/8")	L/360 ▲ limit between supports	528	297	107*
	L/240 ▲ limit between supports	528	297	132*
32mm (1-1/4")	L/360 ▲ limit between supports	690	388	161*
	L/240 ▲ limit between supports	690	388	172*
38mm (1-1/2")	L/360 ▲ limit between supports	973	547	243*
	L/240 ▲ limit between supports	973	547	243*

* Values marked with an asterik (*) are governed by the corresponding deflection ratio. All other load values are governed by a bending strength value of 9 N/mm² (1,305 psi) and Modulus of Elasticity in Bending of 3,000 N/mm² as listed in ISO 8335 which is the minimum allowable performance requirement of the ISO 8335 for CBPB. ARMOROC[®] performance against ISO 8335 shall be considered equal or superior.

¹ If ARMOROC[®] panels are allowed to become saturated, reduce live load working capacity by approximately 30% until panels have re-dried. All load data remains valid for re-dried panels.

² A safety factor of 4 was applied during the preparation of the data presented in this table.

³ Weight of panel and flooring must be subtracted from table values to calculate live load capacity.

⁴ Values in this table generated by Progressive Engineering Inc., PEI Project No. 2015-1816

⁵ All ARMOROC[®] installations must be designed and reviewed by a qualified architect or engineer. Panels perpendicular to supports. Minimum 19mm (3/4") thick panels for structural floor applications, maximum span of 24" on center. Must comply with local building code requirements for loading. Refer to installation specifications for additional information.

Ameriform, LLC., 41 Pope Rd., Holliston, MA 01746

Ph: (508)429-1470 www.ameriformllc.com www.armoroc.com

