



ARMOROC STRUCTURAL CEMENT BOARD

LOAD TABLE FOR STRUCTURAL FLOOR DECK APPLICATIONS

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Uniformly Distributed Loads - Lbs per square foot Span: Center-to-center of supports (inches)		MULTI-SPAN (THREE OR MORE SPANS)			DOUBLE-SPAN (TWO SPANS)			SINGLE-SPAN (ONE SPAN)		
PANEL THICKNESS	LOAD GOVERNED BY *	12"	16"	24"	12"	16"	24"	12"	16"	24"
19mm (3/4")	L/360 ▲ limit between supports	304	171	n/a	243	136	n/a	243	113*	n/a
25mm (1")	L/360 ▲ limit between supports	526	296	131	421	237	105	421	237	76*

* Values marked with an asterik (*) are governed by bending. The above table uses a bending strength of 9 N/mm² and Modulus of elasticity in bending of 3000 N/mm², as listed in Table 1 of European Standard EN 634-2, August 1996. The above table uses an average shear strength of 1308 psi from Bodycote test report No. 06-06-M0351 Revision 3, Table 24. The above values are for uniform static loading under "dry conditions" only.

Note: Loading for other thicknesses available upon request.

¹ Values in this table generated by Progressive Engineering Inc., PEI Project No. 2015-1816

² A safety factor of 4 is used for bending and shear during the preparation of the data presented in this table.

³ Concentrated and dynamic loads have not been addressed by this table.

⁴ Weight of panel and flooring must be subtracted from table values to calculate live load capacity.

⁵ 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.

⁶ Failure to follow manufacturer's installation instructions will affect product performance.

⁷ Minimum 19mm (3/4") thick panels for structural floor applications, maximum span of 16" on center. 25mm (1") thick panels may span up to 24" on center. Underlayments may be required.

⁸ All ARMOROC[®] installations must be designed and reviewed by a qualified architect or engineer. Must comply with local building code requirements for loading.

⁹ ARMOROC[®] is a registered trademark of Ectek International

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