

The parameters indicated in this Certificate of Quality refer to values specified by **ANSI A208.1-2016**. The tests results performed by BERNECK, according to standard procedures and methodologies, are listed below.

BERNECK PRODUCTS

Properties	International System		Imperial System	
	Units	Specification	Units	Specification
Thickness	mm	± 0,1	inch	± 0,004
Length and Width (Maximum)	mm	± 2,0	inch	± 0,080
Squareness (Maximum)	mm/m	3,0	inch/ft	0,036
Linear Expansion (Maximum)	%	0,40	%	0,40
Density ¹	Kg/m ³	640 ± 30	Lb/ft ³	39,95 ± 1,87
Thickness Swelling ¹ (Maximum)	%	18	%	18
Internal Bond (Minimum)	N/mm ²	Min 0,40	psi	Min 58
Modulus of Rupture (Minimum)	N/mm ²	Min 13,0	psi	Min 1885
Modulus of Elasticity (Minimum)	N/mm ²	Min 2.000	psi	Min 290.100
Screw Holding - Face	N	Min 900	lb	Min 202
Screw Holding - Edge	N	Min 800	lb	Min 180
Free Formaldehyde Content (Maximum)	ppm	Max 0,09	ppm	Max 0,09

¹ According to ANSI A208.1-2016, these analysis are not required for M2 grade

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