

TERACANTO Product Performance Properties

Dimensions and Weights				TERACANTO meets or exceeds these International Standards Organization (ISO) requirements	
All dimensions are standard (not metric)				ISO 14021	Environmental Management Systems
Gauge	Width	Length	Weight	ISO 9001	Quality Management Systems
1.2 cm	63"	126"	330.69 lbs.	ISO (iso.org) is an independent, non-governmental international organization with a membership of 164 <i>national standards bodies</i> .	
2 cm	62"	126"	551.15 lbs.		

Environmental Compliance		
Certification	Standard	Description
Low VOC Offgassing	UL2818 (Greenguard)	2013 Standard for Chemical Emissions for Building Materials, Finishes and Furnishings
Low VOC Offgassing	UL 2818 (Greenguard Gold)	2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings
Declare	N/A	LBC Living Building Challenge

Product Declarations		Valid Until
Declare		02/2024

Suitability & Fitness Test Results		
Attribute Tested	Standard	Results
Stain Resistance	ASTM C1378	Passed (24 hrs)
Deep Abrasive Wear Resistance	ASTM C1243	84 mm³
Resistance to Freeze / Thaw Cycling	ASTM C1026	No damage after 300 cycles

Physical Test Results		
Attribute Tested	Standard	Results
Resistance to Chemical Substances	ASTM C650	Passed
Breaking Strength (1.2 cm)	ASTM C648	988 lbs.
Thermal Shock Resistance	ASTM C484	Passed (30 min)
Bond Strength	ASTM C482	102 psi
Water Absorption	ASTM C373	0,1% WA
Moisture Expansion	ASTM C370	0%
Sides *	EN ISO 105545-2	±0,3% MAX (±1,0 mm MAX)
Thickness *	EN ISO 105545-2	± 5,0% MAX (±0,5 mm MAX)
Straightness of Sides *	EN ISO 105545-2	± 0,3% MAX (±0,8 mm MAX)
Rectangularity *	EN ISO 105545-2	± 0,3% MAX (±1,5 mm MAX)
Surface Flatness *	EN ISO 105545-2	± 0,4% MAX (±1,8 mm MAX)
Flexion Resistance *	EN ISO 105545-4	1.2 cm / 2 cm
		S ≥ 3500 N / S ≥ 10000 N
		R ≥ 40 N/mm2 / R ≥ 40 N/mm2
Impact Resistance *	EN ISO 105545-8	> 0,85
Abrasion Resistance *	EN ISO 105545-6	< 145 mm3
Coefficient of Linear Thermal-Expansion	EN ISO 105545-7	> 6 x 10 -6C°-1
Lead and Cadmium Discharge *	EN ISO 105545-15	< Than Instrument Limit

* All EN ISO 105545 tests in compliance with International Standards EN 14411-G.
ASTM was formerly known as American Society for Testing Materials.

Flammability, Flame Spread, and Smoke Developed Performance Properties		
Attribute Tested	Standard	Results
Fire Test of Combustibility	ULC S135	Total Heat Release < 3 MJ / m ² Average Total Smoke Extinction < 1.0 m ² Passed the section 3.1.5 of the National Canadian Building Code for Non Combustible Materials