

Technical Specification

Code: VA.105



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Physical & Chemical Properties	Norm/Test Method	Required Standard	Results
Thickness	ISO 10545-2	$\pm 0.3\%, \pm 10\%$	$\pm 0.2\%$
Straightness of Edges	ISO 10545-2	$\pm 0.3\%$	$\pm 0.4\%$
Squareness	ISO 10545-2	$\pm 0.5\%$	$\pm 0.4\%$
Flatness	ISO 10545-2	$\pm 0.5\% - 0.3\%$	$\pm 0.4\%$
Surface Qualities	ISO 10545-2	Min 95%	<95%
Water Absorption	ISO 10545-3	$0.5\% < E \leq 3\%$	$\leq 1\%$
Breaking load in N	ISO 10545-4	700 min	> 1800
Bending Strength in N/mm ²	ISO 10545-4	12 min	> 50 N/mm ²
Abrasion Resistance	ISO 10545-7	-	On request
Coefficient of Linear Thermal Expansion	ISO 10545-8	-	$< 5 \cdot 10^{-6}/^{\circ}\text{C}$
Thermal Shock Resistance	ISO 10545-9	-	Guaranteed
Moisture Expansion	ISO 10545-10	-	< 0.04%
Crazing Resistance	ISO 10545-11	-	Guaranteed
Coefficient of Friction	BCRA	> 0.40%	-
Impact Resistance	ISO 10545-5	Class 3 min	> 0.6
Stain Resistance	ISO 10545-14	GB min	3 min
Household Chemical Resistance	ISO 10545-13	-	GB min
Acid & Alkali Resistance (diluted/concentrated)	ISO 10545-13	-	GLB min
Lead and Cadmium Release	ISO 10545-15	-	On request
Fire Resistance	-	Decisione 96/603/CE	Class A1

Certifications



This technical information sheet is not a guarantee of performance and is not a warranty, either explicit or implicit. Rather, it tries to summarize for the designer, installer or developer the technical data provided to Eco Friendly Tiles by the independent tile manufacturer. This information may not be applicable in all geographical areas. It is the responsibility of those individuals who are referring to this document to independently research and determine which tiles are suitable for a given project according to applicable British or International Standards and any governing legislative requirements. This document cannot be used as expert opinion, evidence or in any legal or administrative procedure unless authorized by Eco Friendly Tiles Ltd.