

Technical Specification

Code: 4.1.A(2) Previously VT.42



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Physical & Chemical Properties	Norm/Test Method	Required Standard	Results
Length & Width	ISO 10545-2	± 0.5%	± 0.1%
Thickness	ISO 10545-2	± 5%	± 4%
Straightness of Edges	ISO 10545-2	± 0.5%	± 0.1%
Planarity/Flatness	ISO 10545-2	± 0.5%	± 0.1%
Water Absorption	ISO 10545-3	≤ 0.5%	0.05%
Flexural Resistance	ISO 10545-4	Min. 35 N/mm ²	50N/mm ² = 509 kg/cm ²
Modulus of Rupture	ISO 10545-4	1300N	2500 - 5000N
Deep Abrasion Resistance	ISO 10545-6	≤ 175mm ²	140mm ²
Coefficient of Thermal Expansion	ISO 10545-8	Available on request	≤ 7x10 -6 °C-1
Thermal Shock Resistance	ISO 10545-9	Available on request	Resistant
Frost Resistance	ISO 10545-12	Always Tested	Resistant
Resistance to Household Chemicals	ISO 10545-13	min. UB	min.UB
Resistance to Acids and Low Concentration Alkalis	ISO 10545-13	DA ULA, ULB A ULC	DA ULA, ULB A ULC
Resistance to Acids and High Concentration Alkalis	ISO 10545-13	Available on request	Available
Stain Resistance	ISO 10545-14	Available on request	min.3
Colour Stability to Light	DIN 51094	No visible colour variation allowed	Conforms
Coefficient of Friction	DIN 51130	-	R10
	ASTM C1028/96	-	> 0.7 / > 0.6
	BCR rep.CEC 6/81	-	> 0.4
	DIN 51097	-	A

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.