

Technical Specification

Code: 5.2.A(2) 10/20mm Previously VT.97



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Physical & Chemical Properties	Norm/Test Method	Required Standard	Results
Thickness	EN ISO 10545-2	± 5.0% / ± 0.5mm	Conforms
Straightness of sides	EN ISO 10545-2	± 0.5% / ± 1.5mm	Conforms
Rectangularity	EN ISO 10545-2	± 0.6% / ± 2.0mm	Conforms
Surface Flatness	EN ISO 10545-2	± 0.5% / ± 2.0mm	Conforms
Water Absorption	EN ISO 10545-3	≤ 0.5%	0.05%
Flexion Resistance	EN ISO 10545-4	S ≥ 700 N (< 7.5mm) R ≥ 35 N/mm ²	S 3.000 N R ≥ 53 N/mm ²
Impact Resistance	EN ISO 10545-5	Declared Value	0.87
Abrasion Resistance	EN ISO 10545-6	≤ 175mm ²	135mm ²
Coefficient of Linear Thermal Expansion	EN ISO 10545-8	-	$\partial = 7 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$
Resistance to Thermal Shocks	EN ISO 10545-9	Pass according to EN ISO 10545-1	No Damage
Frost Resistance	EN ISO 10545-12	Pass according to EN ISO 10545-1	No Damage
Resistance to Chemicals	EN ISO 10545-13	UB Min.	UA ULA UHA
Resistance to Stains	EN ISO 10545-14	Declared Value	Class 5
Lead and Cadmium Discharge	EN ISO 10545-15	Declared Value	Within Limit
Slip Resistance	DM. 236/89 BCRA	> 0.40	> 0.40
	ASTM Wet and Dry	> 0.60	> 0.60
	DIN 51130	-	R10
	DIN 51097	-	A+B
Pendulum Test	UNI EN 13036-4:2011	≥36	≥ 36

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.