



RECER - Indústria de Revestimentos Cerâmicos, S.A.

Apartado 20 - 3771-953 OLIVEIRA DO BAIRRO

PORTUGAL

Tel.: (351) 234730500 Fax.: (351) 234730502

recer@recer.pt | www.recer.pt

SPECIFICATIONS REPORT

GLAZED PORCELAIN TILE

Standard(s): BS EN1441:2012; EN 1441:2016 - Annex G

Product Group: Bla - GL

Reference	Size (cm)	WORK SIZE (mm)	Thickness (mm)
Born Stone Beige	60x60	608x608	8.5

Technical Characteristics	Standard Test	Requeriment	Value
WORK SIZE (mm)	ISO 10545-2	$\leq 2\%$ (Max.: $\pm 5\text{mm}$)	Complies
- Deviation from the Work Size (%)			
- Deviation from Sample Average (%)		$\pm 0.6\%$ ($\leq \pm 2\text{mm}$) [N ≥ 15]	Complies
THICKNESS		$\pm 5\%$ (Max.: $\pm 0.5\text{mm}$) [N ≥ 15]	Complies
- Deviation from the Work Size (%)			
STRAIGHTNESS		$\pm 0.5\%$ ($\leq \pm 1.5\text{mm}$) [N ≥ 15]	Complies
- Deviation from the Work Size (%)			
SQUARENESS	ISO 10545-2	$\pm 0.5\%$ ($\leq \pm 2\text{mm}$) [N ≥ 15]	Complies
- Deviation from the Work Size (%)			
FLATNESS		$\pm 0.5\%$ ($\leq \pm 2\text{mm}$) [N ≥ 15]	Complies
- Deviation from the diagonal or from the Work Size (%)			
SURFACE QUALITY		95% Without defects	Complies
WATER ABSORPTION	ISO 10545-3	Eb $\leq 0,5\%$	Complies
BENDING STRENGHT	ISO 10545-4	≥ 1300 (Thickness $\geq 7.5\text{ mm}$)	Complies
- Breaking Strength (N)			
- Rupture Module (N/mm ²)		≥ 35	Complies
IMPACT RESISTANCE	ISO 10545-5	≥ 0.55	Complies
Coefficient of Restitution			
RESISTANCE TO DEEP ABRASION (mm³)	ISO 10545-6	Not Applicable	~
RESISTANCE SURFACE ABRASION (PEI)	ISO 10545-7	As per Manufacturer	4
LINEAR THERMAL EXPANSION	ISO 10545-8	As per Manufacturer	< 9.0x10⁻⁶
- Coefficient of Linear Thermal Expansion (K ⁻¹)			
THERMAL SHOCK RESISTANCE	ISO 10545-9	Required	Complies
MOISTURE EXPANSION	ISO 10545-10	As per Manufacturer	< 0.6mm/m
CRAZING RESISTANCE	ISO 10545-11	Required	Complies
FROST RESISTANCE	ISO 10545-12	Required	Complies
CHEMICAL RESISTANCE	ISO 10545-13	Min. B	A
- Resistance to Cleaners and Pool Salt			
- Acid Resistance		As per Manufacturer	LA
- Alakali Resistance		As per Manufacturer	LA
STAINING RESISTANCE	ISO 10545-14	Min. Class 3	5
ANTI-SLIP PROPERTIES	EN 16165		
- Workrooms and Fields of Activities with Raise Slip Danger	B	As per Manufacturer, when applicable	10° < α \leq 19° [R10]
- Wet-Loaded Barefoot Areas	A	As per Manufacturer, when applicable	$\alpha \geq 24°$ [C]
	C	As per Manufacturer, when applicable	35 < PTV \leq 45 [Class 2]