



R.A.K. CERAMICS P.S.C.

ISO 9001
BUREAU VERITAS
Certification
QUALITY MANAGEMENT SYSTEM
CERTIFIED TO ISO 9001:2008



TECHNICAL SPECIFICATION

MODEL	: 6GP SURFACE SERIES (R)
NOMINAL SIZE	: 60 X 60 CM (RECTIFIED)
THICKNESS	: 10.0 MM
TYPE OF PRODUCT	: GRES PORCELANATO TILE
NATURE OF SURFACE	: GLAZED & RUSTIC FINISHED
GROUP	: BIa
REF. STANDARD	: INTERNATIONAL STANDARD ISO 13006:2012

TEST DESCRIPTION	STANDARD TEST METHOD	STANDARD REQUIREMENTS	R.A.K. CERAMICS SPECIFICATION
Surface Quality	BS EN ISO 10545 - 2	A minimum of 95% of the tiles are to be free from visible defects	Minimum of 95% of the tiles are free from visible defects
Length & Width	BS EN ISO 10545 - 2	± 0.6 %	± 0.15 %
Thickness	BS EN ISO 10545 - 2	± 5 %	± 5 %
Straightness of Sides	BS EN ISO 10545 - 2	± 0.5 %	± 0.2 %
Rectangularity	BS EN ISO 10545 - 2	± 0.5 %	± 0.2 %
Surface Flatness: Center Curvature	BS EN ISO 10545 - 2	± 0.5 %	± 0.25 %
Surface Flatness: Edge Curvature	BS EN ISO 10545 - 2	± 0.5 %	± 0.25 %
Surface Flatness: Warpage	BS EN ISO 10545 - 2	± 0.5 %	± 0.25 %
Water Absorption	BS EN ISO 10545 - 3	≤ 0.5 %	≤ 0.4 %
Breaking Strength	BS EN ISO 10545 - 4	≥ 1300 N	≥ 2200 N
Modulus of Rupture	BS EN ISO 10545 - 4	≥ 35 N/mm ²	≥ 40 N/mm ²
Resistance to Surface Abrasion	BS EN ISO 10545 - 7	Manufacturer to state abrasion class	PEI Class 2 - 5
Coefficient of Linear Thermal Expansion	BS EN ISO 10545 - 8	Test method available	≤ 7 X 10 ⁻⁶ /°C
Resistance to Thermal Shock	BS EN ISO 10545 - 9	Test method available	No visible defect
Crazing Resistance	BS EN ISO 10545 - 11	Required	No crazing
Frost Resistance	BS EN ISO 10545 - 12	Required	No visible damage
Resistance to Household Chemicals & swimming Pool Salts	BS EN ISO 10545 - 13	Minimum GB	Class GA No visible effect
Resistance to Low Concentrations Acids & Alkalis	BS EN ISO 10545 - 13	Manufacturer to state classification	Class GLA No visible effect
Resistance to Staining	BS EN ISO 10545 - 14	Minimum Class 3	Min. Class 4 Stains removed
Slip Resistance (Ramp Test)	DIN 51130	-	R11

NOTE: This Technical Specification is applicable only to tiles in Choice "A".

Authorized:
For R.A.K. CERAMICS

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