

PRODUCT TYPE	NAME	15/07/2014
glazed porcelain	SURFACE <i>series</i>	
TECHNICAL SPECIFICATION		

Technical Features

- glazed porcelain
- 3 colours
- 5 tile sizes (Limited to selected finishes)
- 3 surfaces: lappato, matt & rustic finish
- refined concrete look
- rectified
- suitable for internal & external floor and wall applications
- suitable for commercial and residential applications

Colour



Ash



Cool Grey



Off White

Format



60x120



30x120



60x60



30x60



30x30

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R.A.K. CERAMICS

MODEL: SURFACE
NOMINAL SIZE: 30 x 60 cm (Rectified)
THICKNESS: 9.5 mm
REF. STANDARD: INTERNATIONAL ISO 13006: 2012

TYPE OF PRODUCT: GRES PORCELLANATO TILE
NATURE OF SURFACE: GLAZED & (LAPATTO & MATT)
BODY GROUP: Bia.

TEST DESCRIPTION	STANDARD TEST METHOD	STANDARD REQUIREMENTS ISO 13006: EN 14411	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	A minimum of 95% of the tiles are to be free from visible defects
LENGTH & WIDTH	BS EN ISO 10545-2	±0.6 %	±0.15 %
THICKNESS	BS EN ISO 10545-2	±5.0 %	±5.0 %
STRAIGHTNESS OF SIDES	BS EN ISO 10545-2	±0.5 %	±0.2 %
RECTANGULARITY	BS EN ISO 10545-2	±0.6 %	±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	≥35N/ mm ²	≥40N/ mm ²
RESISTANCE TO SURFACE ABRASION	BS EN ISO 10545-7	Manufacturer to state abrasion class	PEI Class 2 - 4
COEFFICIENT OF LINEAR THERMAL EXPANSION	BS EN ISO 10545-8	Test method available	≤7X 10 ⁻⁶ /°C
THERMAL SHOCK RESISTANCE	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	No visible defect	No visible defect
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	Class 4 Stains Removed

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