

## TECHNICAL SPECIFICATION

<b>MODEL / REFERENCE</b>	: B MATERIA
<b>NOMINAL SIZE</b>	: 60 X 120 CM (RECTIFIED)
<b>NOMINAL THICKNESS</b>	: 9.0 MM
<b>TYPE OF PRODUCT</b>	: GRES PORCELLANATO TILE
<b>NATURE OF SURFACE</b>	: UNGLAZED / MATT
<b>GROUP</b>	: Bla
<b>REF. STANDARD</b>	: INTERNATIONAL STANDARD ISO 13006:2018

TEST DESCRIPTION	STANDARD TEST METHOD	STANDARD REQUIREMENTS	RAK 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	± 1.0 mm	± 0.6 mm
Thickness	BS EN ISO 10545 - 2	± 0.5 mm	± 0.4 mm
Straightness of Sides	BS EN ISO 10545 - 2	± 0.8 mm	± 0.8 mm
Rectangularity	BS EN ISO 10545 - 2	± 1.5 mm	± 1.2 mm
Surface Flatness: Center Curvature	BS EN ISO 10545 - 2	± 1.8 mm	± 1.5 mm
Surface Flatness: Edge Curvature	BS EN ISO 10545 - 2	± 1.8 mm	± 1.2 mm
Surface Flatness: Warpage	BS EN ISO 10545 - 2	± 1.8 mm	± 1.2 mm
Water Absorption	BS EN ISO 10545 - 3	$E \leq 0.5 \%$	$E \leq 0.1 \%$
Breaking Strength	BS EN ISO 10545 - 4	$\geq 1300 \text{ N}$	$\geq 2000 \text{ N}$
Modulus of Rupture	BS EN ISO 10545 - 4	$\geq 35 \text{ N/mm}^2$	$\geq 40 \text{ N/mm}^2$
Resistance to Deep Abrasion	BS EN ISO 10545 - 6	$\leq 175 \text{ mm}^3$	$\leq 150 \text{ mm}^3$
Coefficient of Linear Thermal Expansion	BS EN ISO 10545 - 8	Test method available	$\leq 7 \times 10^{-6}/^{\circ}\text{C}$
Resistance to Thermal Shock	BS EN ISO 10545 - 9	Test method available	No visible defect
Frost Resistance	BS EN ISO 10545 - 12	Required	No visible damage
Resistance to household chemicals & swimming pool salts	BS EN ISO 10545 - 13	Minimum Class B	Class A No visible effect
Resistance to low concentrations acids & alkalis	BS EN ISO 10545 - 13	Manufacturer to state classification	Class LA No visible effect
Resistance to high concentrations acids & alkalis	BS EN ISO 10545 - 13	Test method available	Class HA No visible effect
Resistance to Stains	BS EN ISO 10545 - 14	Test method available	Min. Class 2 Stains removed

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

Signed:  
For RAK CERAMICS PJSC

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VPQA/QC

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