

TECHNICAL SPECIFICATION

MODEL / REFERENCE	: BLACK IRON
NOMINAL SIZE	: 40 X 120 CM (RECTIFIED)
NOMINAL THICKNESS	: 10.5MM
TYPE OF PRODUCT	: CERAMIC TILE RED BODY
NATURE OF SURFACE	: GLAZED / MATT
GROUP	: BIII
REF. STANDARD	: 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	BS EN ISO 10545 - 2	± 1.0 mm	± 1.0 mm
Width	BS EN ISO 10545 - 2	± 1.0 mm	± 0.5 mm
Thickness	BS EN ISO 10545 - 2	± 0.5 mm	± 0.5 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
Center Curvature	BS EN ISO 10545 - 2	± 1.8 mm	± 1.5 mm
Edge Curvature	BS EN ISO 10545 - 2	± 1.8 mm	± 1.5 mm
Warpage	BS EN ISO 10545 - 2	± 1.8 mm	± 1.5 mm
Water Absorption	BS EN ISO 10545 - 3	$10\% < E_v \leq 20\%$	$10\% < E_v \leq 18\%$
Breaking Strength	BS EN ISO 10545 - 4	≥ 600 N	≥ 900 N
Modulus of Rupture	BS EN ISO 10545 - 4	≥ 12 N/mm ²	≥ 16 N/mm ²
Resistance to Surface Abrasion	BS EN ISO 10545 - 7	Manufacturer to state abrasion class	PEI Class 4
Coefficient of Linear Thermal Expansion	BS EN ISO 10545 - 8	Test method available	≤ 7 X 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
Resistance to Household Chemicals & Swimming Pools Salts	BS EN ISO 10545 - 13	Minimum B	Class A No visible effect
Resistance to Low Concentrations Acids & Alkalis	BS EN ISO 10545 - 13	Test method available	Class LA No visible effect
Resistance to Stains	BS EN ISO 10545 - 14	Minimum Class 3	Min. Class 4 Stains removed

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

Signed:
For RAK Ceramics PJSC


RUEL PEREZ
VP - QA/QC

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RAK Ceramics PJSC
P.O. Box 4714
Ras Al Khaimah
United Arab Emirates

Tel. +971 7 246 7000
Fax. +971 7 244 5270

RAKCERAMICS.COM