

TECHNICAL SPECIFICATIONS -POLAR BLACK

DESCRIPTION	STANDARD TEST	MEASUREMENT UNIT	ISO STANDARD REQUIREMENT	NIRO GRANITE
Length & Width	MS ISO 10545 -2	mm	±0.5% Max	±0.08% Max
Thickness	MS ISO 10545 -2	mm	±5.0% Max	±1.6% Max
Sides Straightness	MS ISO 10545 -2	mm	±0.5% Max	±0.04% Max
Rectangularity	MS ISO 10545 -2	mm	±0.6% Max	±0.07% Max
Flatness: a) Centre Curvature	MS ISO 10545 -2	mm	±0.5% Max	±0.05% Max
b) Edge Curvature	MS ISO 10545 -2	mm	±0.5% Max	±0.08% Max
c) Warpage	MS ISO 10545 -2	mm	±0.5% Max	±0.10% Max
Surface Quality	MS ISO 10545 -2	One Major Area of Tiles	≥ 95% free from visible defect	Comply
Water Absorption	MS ISO 10545 -3	Mass	≤0.5%	≤0.05%
Modulus of Rupture	MS ISO 10545 -4	N/mm2	≥ 35N/mm2	≥ 56.8N/mm2
Deep Abrasion	MS ISO 10545 -6	mm3	≤175 mm3	≤125 mm3
Frost Resistance	MS ISO 10545 -12	Visual Check	Required	No Visible Crack, Fully Frost Resistant
Chemical Resistance (Low Cons.)	MS ISO 10545 -13	Visual Check	Manuf. To State	No Visible Effect, Fully Resistant
Chemical Resistance (Household/Swimming Pool)	MS ISO 10545 -13	Visual Check	Max Visible Change on Cut Side	No Visible Effect, Fully Resistant
Stain Resistance	MS ISO 10545 -14	Visual Check	Class 3 Min	Class 5
Coefficient of Friction	ASTM C1028	Manuf. To State	≥ 0.42	Wet : 0.60 Dry : 0.79
Coefficient of Friction AS/NZS 4586-1999 App.D.	DIN 51130	Manuf. To State	Manuf. To State	R9

SURFACE AVAILABLE |



SUITABLE FOR |



SHADES & TONALITIES |



TECHNICAL & PACKING INFORMATION |

NOMINAL (MM)	WORKING (MM)	THICKNESS (MM)	RECTIFIED	R-RATING	PCS / CTN	CTN / PALLET	M ² / CTN	M ² / PALLET	KG / CTN
600 x 600	597 x 597	10.0	Yes	9	3	44	1.08	47.52	25.00
600 x 300	597 x 297	10.0	Yes	9	6	48	1.08	51.84	25.00