
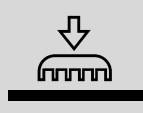
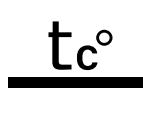







# TECHNICAL INFORMATION

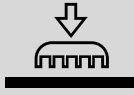





PROPERTIES	ICON	INDUSTRY REQUIREMENT	RESULTS		TESTING METHOD
			REGULAR POLISHED	DIAMOND-POLISHED	
Size		±0.5%	±0.3mm	±0.3mm	ISO 10545-2
Thickness		±5%	±5%	±5%	ISO 10545-2
Straightness of sides		±0.5%	±0.2%	±0.2%	ISO 10545-2
Rectangularity of Sides		±0.5%	±0.2%	±0.2%	ISO 10545-2
Sides curvature		±0.5%	±0.2%	±0.2%	ISO 10545-2
Center curvature		±0.5%	±0.2%	±0.2%	ISO 10545-2
Water absorption		≤ 0.5%	≤ 0.5%	≤ 0.5%	ISO 10545-3
Breaking strength		≥1300N	≥1300N	≥1500N	ISO 10545-4

PROPERTIES	ICON	INDUSTRY REQUIREMENT	RESULTS		TESTING METHOD
			REGULAR POLISHED	DIAMOND-POLISHED	
Modulus of rupture		≥ 35 N/mm <sup>2</sup>	≥ 35 N/mm <sup>2</sup>	≥ 35 N/mm <sup>2</sup>	ISO 10545-4
Abrasion resistance		-	Class II	Class II	ISO 10545-7
Thermal shock resistance		Ten cycles	Ten cycles	Ten cycles	ISO 10545-9
Stain resistance		Min class 3	Class 5	Class 5	ISO 10545-14
Crazing resistance		Pass	Pass	Pass	ISO 10545-11
Chemical resistance		Min class 3	Class 5	Class 5	ISO 10545-14
Resistance to freeze		Pass	Pass	Pass	ISO 10545-12
DCOF		-	Dry: Min 0.42	Dry: Min 0.42	A 137.1
Glossy		-	≥ 870	≥92 o	ASTM D523



# TECHNICAL INFORMATION

PROPERTIES	ICON	INDUSTRY REQUIREMENT	RESULTS- MATTE PORCELAIN	TESTING METHOD
Size		±0.5%	±0.3mm	ISO 10545-2
Thickness		±5%	±5%	ISO 10545-2
Straightness of sides		±0.5%	±0.2%	ISO 10545-2
Rectangularity of Sides		±0.5%	±0.2%	ISO 10545-2
Sides curvature		±0.5%	±0.2%	ISO 10545-2
Center curvature		±0.5%	±0.2%	ISO 10545-2
Water absorption		≤ 0.5%	≤ 0.5%	ISO 10545-3
Breaking strength		≥1300N	≥1300N	ISO 10545-4

PROPERTIES	ICON	INDUSTRY REQUIREMENT	RESULTS- MATTE PORCELAIN	TESTING METHOD
Modulus of rupture		≥ 35 N/mm2	≥ 35 N/mm2	ISO 10545-4
Abrasion resistance		-	Class III	ISO 10545-7
Thermal shock resistance		Ten cycles	Ten cycles	ISO 10545-9
Stain resistance		Min class 3	Class 5	ISO 10545-14
Crazing resistance		Pass	Pass	ISO 10545-11
Chemical resistance		Min class 3	Class A	ISO 10545-13
Resistance to freeze		Pass	Pass	ISO 10545-12
DCOF		-	Wet: Min 0.42	A 137.1
Morh hardness		-	5	EN 15771