

BAR SUPER WHITE / SUPER BLACK 600x600mm

Characteristics	Test Method	Requirements	Result	Verdict
DIMENSIONS AND SURFACE QUALITY				
LENGTH AND WIDTH The permissible deviation of the average size for each tile (4 sides) from the work size	ISO 10545-2	+/-0.6%	-0.01%~+0.01%	Pass
		+/-2.0mm	0~+0.1mm	Pass
THICKNESS				
The thickness shall be specified	-	Declared thickness	9.0mm	Pass
The permissible deviation of the average thickness of each tile from the work size thickness	ISO 10545-2	+/-5%	-0.59%~+0.64%	Pass
		+/-0.5mm	-0.1mm~+0.1mm	Pass
PHYSICAL PROPERTIES				
WATER ABSORPTION : PERCENT MASS FRACTION	ISO 10545-3	$E_b \leq 0.5\%$	0.14%	Pass
		Individual maximum 0.6%	0.10%~0.18%	Pass
BREAKING STRENGTH IN N	ISO 10545-4	≥ 1300	2305	Pass
MODULUS OF RUPTURE IN N/mm ² Not applicable to tiles with breaking strength ≥ 3000 N	ISO 10545-4	Minimum ≥ 35	44.6	Pass
		Individual minimum ≥ 32	39.6~49.0	Pass
ABRASION RESISTANCE Resistance to deep abrasion of unglazed tiles: Removed volume in cubic millimeters	ISO 10545-6	≤ 175	123~139	Pass
THERMAL SHOCK RESISTANCE	ISO 10545-9	Pass	Fully resistant	Pass
FROST RESISTANCE	ISO 10545-12	Pass	Fully resistant	Pass
SLIP RESISTANCE				
Shod ramp test, critical angle	CEN/TS 16165 B Annex B	Declared Value	4°	-
Pendulum friction test, PTV 96	CEN/TS 16165 C Annex C	Declared Value	Dry: 62 Wet: 18	-
REACTION TO FIRE	CWT	Class A1 or A1 _{FL}	Walls: A1 Floors: A1 _{FL}	Pass
CHEMICAL PROPERTIES				
RESISTANCE TO CHEMICALS				
RESISTANCE TO HOUSEHOLD CHEMICALS AND SWIMMING POOL SALTS				
HOUSEHOLD CHEMICALS: AMMONIUM CHLORIDE 100g/l	ISO 10545-13	Minimum Class B	UA	Pass
SWIMMING POOL SALTS: SODIUM HYPOCHLORITE SOLUTION 20mg/l	ISO 10545-13	Minimum Class B	UA	Pass
RESISTANCE TO LOW CONCENTRATION OF ACIDS AND ALKALIS				
HYDROCHLORIC ACID SOLUTION 3% (v/v)	ISO 10545-13	Declared Value	ULA	-
CITRIC ACID SOLUTION 100g/l	ISO 10545-13	Declared Value	ULA	-
POTASSIUM HYDROXIDE 30g/l	ISO 10545-13	Declared Value	ULB	-
RESISTANCE TO HIGH CONCENTRATION OF ACIDS AND ALKALIS				
HYDROCHLORIC ACID SOLUTION 18% (v/v)	ISO 10545-13	Declared Value	UHA	-
LACTIC ACID SOLUTION 5% (v/v)	ISO 10545-13	Declared Value	UHA	-
POTASSIUM HYDROXIDE 100g/l	ISO 10545-13	Declared Value	UHB	-

Group B1a ($E_b \leq 0.5\%$). The results conform to the requirement of Annex G of Standard EN 14411:2012 with respect to the test items.