

SON COLISEUM IVORY– 600X600 MM

Size:	600 x 600 mm
Material:	Glazed Porcelain
Finish:	Matt
Number of faces:	Temporarily Unknown

Characteristics	Test Method	Standard according to ISO-15622/2013 Group B/a	Our Standard
DIMENSION AND SURFACE QUALITY			
DEVIATION IN LENGTH & WIDTH	IS 13630-1	+/- 0.1 %	+/- 0.1 %
DEVIATION IN THICKNESS	IS 13630-1	+/- 5.0 %	+/- 3.5 %
STRAIGHTNESS OF SIDES	IS 13630-1	+/- 0.1 %	+/- 0.1 %
RECTANGULARITY	IS 13630-1	+/- 0.1 %	+/- 0.1 %
SURFACE FLATNESS (CURVATURE & WARPAGE)	IS 13630-1	+/- 0.5 %	+/- 0.4 %
SURFACE QUALITY	IS 13630-1	95% of the tile free from visible defect	95%
PHYSICAL PROPERTIES			
WATER ABSORPTION	IS 13630-2	< 0.08 %	0.06 %
MODULUS OF RUPTURE	IS 13630-6	> 35 N/mm ²	> 40 N/mm ²
FLEXURAL BREAKING STRENGTH	IS 13630-6	> 1300 N	> 2000 N
MOISTURE EXPANSION	IS 13630-3	0.02 %	Nil
SCRATCH HARDNESS (MOH's)	IS 13630-13	Min 4 Scale	3/4 Scale
SURFACE ABRASION RESISTANCE	IS 13630-11	Min Class – II	Class - IV
THERMAL EXPANSION (COE)	IS 13630-4	6 x 10 ⁻⁶ K ⁻¹	6 x 10 ⁻⁶ K ⁻¹
THERMAL SHOCK RESISTANCE	IS 13630-5	Min 10 Cycle	10 Cycle
FROST RESISTANCE	IS 13630-10	No Damage	No Damage
BULK DENSITY	IS 13630-2	> 2.2 gm/cc	2.3 gm/cc
SKID RESISTANCE (Coefficient of Friction (Dry))	ISO 10545-17	≥ 0.4	≥ 0.4
SLIP RESISTANCE (Ramp Test)	DIN51130	R9	R9
COLOUR RESISTANCE (UV-LIGHT)	ISO 10545-16	Resistance	Resistance
GLOSSINESS	Glossmeter ISO-2813	As per mfg	> 92%
CHEMICAL PROPERTIES			
RESISTANCE OF STAINING	IS 13630-8	Class – I Min	Class – II
HOUSEHOLD CHEMICALS	IS 13630-8	Class – AA Min	Class – AA
ACID RESISTANCE	IS 13630-8	Resistance	Resistance

SLIP RESISTANCE


Note: The classification gives the parameter to determine the sliding resistance. The group R9 is less anti-slip, while the group R13 has the maximum effectiveness.