



# Bluezone Vitrified Pvt. Ltd.

Survey No. 545/ Near Kajaria Sanitaryware,  
At. Pavadiyari, Jetpar Road, Morbi-363 630.  
(Guj.) INDIA.

CIN No. U26955GJ2015PTC083273

## TECHNICAL SPECIFICATION FOR VITRIFIED FLOOR TILES

CHARACTERISTICS	STANDARD AS PER ISO-13006/EN14411 GROUP BLA	MEAN VALUE OF BLUEZONE	TEST METHOD
<b>A. REGULAR PROPERTIES</b>			
DEVIATION IN LENGTH & WIDTH	± 0.50%	± 0.10%	ISO 10545-2
DEVIATION IN THICNESS	± 5.00%	± 2.00%	ISO 10545-2
STRAIGHTNESS OF SIDES	± 0.50%	± 0.10%	ISO 10545-2
RECTANGULARITY	± 0.50%	± 0.10%	ISO 10545-2
SURFACE FLATNESS	± 0.50%	± 0.10%	ISO 10545-2
COLOUR DIFFERENCE	UNALTERED	NO CHANGE	ISO 10545-16
GLOSSINESS	AS PER MANUFACTURER	MIN 70%	GLOSSOMETER
<b>B. STRUCTURAL PROPERTIES</b>			
WATER ABSORPTION	≤ 0.50%	≤ 0.05%	ISO 10545-3
APPARENT DENSITY	> 2.00 GM/CC	> 2.28 GM/CC	DIN 51082
<b>C. MASSIVE MECHANICAL PROPERTIES</b>			
FLEURAL MODULUS OF RUPTURE	MIN 35 N/MM <sup>2</sup>	MIN 40 N/MM <sup>2</sup>	ISO 10545-4
FLEXURAL BREAKING STRENGTH	MIN 1300 N	MIN 2000 N	ISO 10545-4
IMPACT RESISTANCE	AS PER MANUFACTURE	MIN 0.55	ISO 10545-5
<b>D. SURFACE MECHANICAL PROPERTIES</b>			
DEEP ABRASION RESISTANCE	MAX 175 MM <sup>3</sup>	MAX 132 MM <sup>3</sup>	ISO 10545-6
MOH' S HARDNESS	MIN 6	8*	EN 101
<b>E. THERMO HYDROMETRIC PROPERTIES</b>			
FROST RESISTANCE	NO DAMAGE	FROST PROOF	ISO 10545-12
THERMAL SHOCK RESISTANCE	NO DAMAGE	NO DAMAGE	ISO 10545-9
MOISTURE EXPANSION	NIL	NIL	ISO 10545-10
THERMAL EXPANSION	MAX 9.00 × 10 <sup>-6</sup>	MAX 9.00 × 10 <sup>-6</sup>	ISO 10545-8
<b>F. CHEMICAL PROPERTIES</b>			
CHEMICAL RESISTANCE	NO DAMAGE	NO DAMAGE	ISO 10545-13
STAIN RESISTANCE	RESISTANT	RESISTANT	ISO-10545-14
<b>G. SAFETY PROPERTIES</b>			
SLIP RESISTANCE (FRICTION CO-EFFICIENT)	> 0.40	> 0.40	ISO 10545-17

### PACKAGING DETAIL

NORMAL SIZE	NOMINAL THICKNESS	NO. TILES PER BOX	COVERAGE AREA PER BOX	WEIGHT PER BOX
60 X 60 CM	8.2 TO 8.7 MM (APPROX)	4 PCS.	15.50 Sq. FT. / 1.44 Sq. MTR.	26.500 KG. (APPROX)
120 X 60 CM	8.5 TO 9.0 MM (APPROX)	2 PCS.	15.50 Sq. FT. / 1.44 Sq. MTR.	27.500 KG. (APPROX)
160 X 80 CM	9.0 MM (APPROX)	2 PCS.	27.55 Sq. FT. / 2.56 Sq. MTR.	52.00 KG. (APPROX)
180X120 CM	9.0 MM (APPROX)	2 PCS.	46.50 Sq FT / 4.32 SQ .MTR.	90.00 KG (APPROX)