Technical Specification



Dimensions & surface Quality

Characteristic	Group Bla – ISO 13006/EN–176	Group Bia IS :15622:2017	Passero Value	Test According to	
Deviation in length and width	± 0.6%	± 0.1%	± 0.1%	ISO 10545:2/IS:13630 (P-1)	
Deviation in thickness	± 5%	± 4%	± 4%	ISO 10545:2/IS:13630 (P-1)	
Deviation in Staightness of sides	± 0.5%	± 0.4%	± 0.1%	ISO 10545:2/IS:13630 (P-1)	
Deviation in Rectangualrity	± 0.6%	± 0.1%	± 0.1%	ISO 10545:2/IS:13630 (P-1)	
Deviation in Surface Flatness	± 0.5%	± 0.2%	± 0.2%	ISO 10545:2/IS:13630 (P-1)	
Surface Quality & Color (%)	Minimum 95%	Minimum 95%	No visible defects	ISO 10545:2/IS:13630 (P-1)	
Glossiness with Nano	Declared by manufacture	-	Above 90	ISO 2813 (Glossy meter)	



Characteristic	Group Bla – ISO 13006/EN–176	Group Bia IS :15622:2017	Passero Value	Test According to
Scratch Hardness of surface Moh's scale	Min. 3	Min. 3	Min. 3	EN-101/IS:13630 (P-13)
Water absorption	≤3%	Min. 3	≤3%	ISO 10545:3/IS: 13630 (P-2)
Moisture Expansion	Nil	-	Nil	ISO 10545:10
Surface Abrassion	Required	Required	PEI 2 - 4	ISO 10545:7/IS:13630 (P-12)



Characteristic	Group Bla – Group Bia ISO 13006/EN-176 IS :15622:2017		Passero Value	Test According to
Breaking strength	1300 N	Min 1300 N	≥ 1800 N	ISO 10545:4/IS: 13630 (P-6)
Modulus of rupture	>35 N/mm2	Average 35, Individual minimum 32	≥ 35 N/mm2	ISO 10545:4/IS: 13630 (P-6)



Characteristic	Group Bla – ISO 13006/EN–176	Group Bia IS :15622:2017	Passero Value	Test According to
Density Skid resistance (Friction coefficient)	2.20 gm/cc ≥0.4	Min 2.20 gm/cc -	2.20 gm/cc ≥ 0.4	DIN 51082/IS: 13630 (P-2)
Skid resistance (Friction coefficient)	≥0.4	-	≥ 0.4	ISO 10545:17



Thermo photo characteristics

Characteristic	Group Bla – ISO 13006/EN–176	Group Bia IS :15622:2017	Passero Value	Test According to
Thermal shock resistance	Resistant to 10 cycles	Min 10 cycles	Pass min 10 cycles	ISO 10545:9/IS: 13630 (P-5)
Co efficient of thermal expansion	9×10-6K-1Max	6×10-6K-1Max	<6×10-6K-1 Max	ISO 10545:8/IS:13630 (P-4)
Frost resistance	Resistant	Required	Need to comply with the standard	ISO 10545:12/IS: 13630 (P-10)
Color Resistance to UV light	Resistant	_	Resistant	DIN 51094



Chemical characteristics

Characteristic	Group Bla – ISO 13006/EN-176	Group Bia IS :15622:2017	Passero Value	Test According to
Stain Resistance	Min class-3	Required	Min conform to class-3*	ISO 10545:14
Chemical Resistance HOUSE HOLD CHEMICAL & SWIMMING POOL SALT	min class-UB	Required	Conform to classes-UA*	ISO 10545:13/IS:13630 (P-7)
Chemical Resistance LOW CONCENTRATIONS ACID & ALKALIES	min class-ULB	Required	Conform to classes-ULA*	ISO 10545:13/IS:13630 (P-7)
Chemical Resistance HIGH CONCENTRATIONS ACID & ALKALIES	min class-UHB	Required	Conform to classes-UHA*	ISO 10545:13/IS:13630 (P-7)

DOMESTIC PACKING DETAILS

Dimensions (mm)	Thickness (mm)	Pieces Per Box	Coverd (sqm.)	ige Area (sqft.)	Box Weight (kg)
600x1200	9	02	1.44	15.50	29 (Approx)

NOTE

- Colours in the catalogue are as accurate as printing process allows. Please check actual tile sample before making the final selection.
- Sizes mentioned in the catalogue are nominal sizes only.
- For better laying. Please follow the instructions on the packaging box.
- Please make sure to check the shade/finish with the sales agent/ dealer making the final purchase because there might be variation in actual finish that shown in the catalogue. The company will not bear any loss in such case.