

TECHNICAL SPECIFICATION of FULLBODY VITRIFIED SLAB

CHARACTERISTIC	Group Bla ISO 13006-2018	Group Bla IS :15622:2017	Kajaria Vitronite FULLBODY VITRIFIED SLAB Value	Test According to
Dimensions & surface Quality				
Deviation in length and width	± 0.3%	± 0.1%	± 0.1%	ISO 10545:2/IS:13630 (P-1)
Deviation in thickness	± 5.0%	± 4.0%	± 4.0%	ISO 10545:2/IS:13630 (P-1)
Deviation in Straightness of sides	± 0.3%	± 0.4%	± 0.1%	ISO 10545:2/IS:13630 (P-1)
Deviation in Rectangularity	± 0.3%	± 0.1%	± 0.1%	ISO 10545:2/IS:13630 (P-1)
Deviation in Surface Flatness	± 0.4%	± 0.5%	± 0.2%	ISO 10545:2/IS:13630 (P-1)
Surface Quality (%)	Min. 95%	Min. 95%	No visible defects	ISO 10545:2/IS:13630 (P-1)
Glossiness with Nano	Declared by manu.	-	Minimum 90	ISO 2813 (Glossy meter)
Physical characteristics				
Scratch Hardness of surface Moh's scale	Required	Min. 5	Min. 5	IS:13630 (P-13)
Water absorption	≤0.5% Ind. max. 0.06%	Avg. ≤0.08, Ind. 0.10% max	<0.05%	ISO 10545:3/IS: 13630 (P-2)
Moisture Expansion	Test method available	Max. 0.02 mm/m	Max. 0.01 mm/m	ISO 10545:10 / IS:13630(P-3)
Deep Abrasion	Max. 175mm ³	Max. 140mm ³	Max. 150mm ³	ISO 10545:6/IS:13630 (P-12)
Mechanical characteristics				
Breaking strength	1300 N	Min. 1300 N	≥ 5000 N	ISO 10545:4/IS: 13630 (P-6)
Modulus of rupture	>35 N/mm ²	Avg. 35, Ind. min. 32	≥ 40 N/mm ²	ISO 10545:4/IS: 13630 (P-6)
Safety characteristics				
Density	Min 2.20 gm/cc	Min. 2.20 gm/cc	> 2.25 gm/cc	ISO 10545:3 /IS: 13630 (P-2)
Impact resistance (Coefficient of restitution)	Test method available	Min. 0.55	> 0.65	ISO 10545:5/IS: 13630 (P-14)
Skid resistance (Friction coefficient)	Test method available	Test method available	≥ 0.4 *	ISO 10545:17 / ANSI:A326.3
Thermo photo characteristics				
Thermal shock resistance	Test method available	Min. 10 cycles	Pass min. 10 cycles	ISO 10545:9/IS: 13630 (P-5)
Co efficient of thermal expansion	Test method available	6×10 ⁻⁶ Max.	<6×10 ⁻⁶	ISO 10545:8/IS:13630 (P-4)
Frost resistance	Required	Required	No Damage	ISO 10545:12/IS: 13630 (P-10)
Small colour differences	Plain coloured tiles only where req. ΔE cmc < 0.75	-	No differences	ISO 10545:16
Chemical characteristics characteristics				
Stain Resistance	Test method available	Min. class - 2	Min. conform to class-4*	ISO 10545:14/IS:13630 (P-8)
Chemical Resistance HOUSE HOLD CHEMICAL & SWIMMING POOL SALT	Min. Class-UB	Class - AA	Conform to classes-UA*	ISO 10545:13/IS:13630 (P-7)
Chemical Resistance LOW CONCENTRATIONS ACID & ALKALIES	Manufacturer is to state classification	Required	Conform to classes-UJA*	ISO 10545:13/IS:13630 (P-7)
Chemical Resistance HIGH CONCENTRATIONS ACID & ALKALIES	Test method available	Required	Conform to classes-UHB*	ISO 10545:13/IS:13630 (P-7)

PACKING DETAILS

Dimensions & Thickness (mm)	No. of tiles / box	Coverage Area	Box Weight
800x2400mm (15mm)	1 pc.	1.92 sq. mtr. / 20.666 sq.ft.	68 Kg (Avg)

TECHNICAL SPECIFICATION of DIGITAL VITRIFIED SLAB

CHARACTERISTIC	Group Bla ISO 13006-2018	Group Bla IS :15622:2017	Kajaria Vitronite DIGITAL VITRIFIED SLAB Value	Test According to
Dimensions & surface Quality				
Deviation in length and width	± 0.3%	± 0.1%	± 0.1%	ISO 10545:2/IS:13630 (P-1)
Deviation in thickness	± 5.0%	± 4.0%	± 4.0%	ISO 10545:2/IS:13630 (P-1)
Deviation in Straightness of sides	± 0.3%	± 0.4%	± 0.1%	ISO 10545:2/IS:13630 (P-1)
Deviation in Rectangularity	± 0.3%	± 0.1%	± 0.1%	ISO 10545:2/IS:13630 (P-1)
Deviation in Surface Flatness	± 0.4%	± 0.5%	± 0.2%	ISO 10545:2/IS:13630 (P-1)
Surface Quality (%)	Min. 95%	Min. 95%	No visible defects	ISO 10545:2/IS:13630 (P-1)
Glossiness with Nano	Declared by manu.	-	Minimum 90	ISO 2813 (Glossy meter)
Physical characteristics				
Scratch Hardness of surface Moh's scale	Required	Min. 5	Min. 4	IS:13630 (P-13)
Water absorption	≤0.5% Ind. max. 0.06%	Avg. ≤0.08, Ind. 0.10% max	<0.05%	ISO 10545:3/IS: 13630 (P-2)
Moisture Expansion	Test method available	Max. 0.02 mm/m	Max. 0.01 mm/m	ISO 10545:10 / IS:13630(P-3)
Surface abrasion	Required	Min. Class - 2	PEI class 2-4	ISO 10545:7/IS:13630 (P-11)
Mechanical characteristics				
Breaking strength	1300 N	Min. 1300 N	≥ 5000 N	ISO 10545:4/IS: 13630 (P-6)
Modulus of rupture	>35 N/mm ²	Avg. 35, Ind. min. 32	≥ 40 N/mm ²	ISO 10545:4/IS: 13630 (P-6)
Safety characteristics				
Density	Min 2.20 gm/cc	Min. 2.20 gm/cc	> 2.25 gm/cc	ISO 10545:3 /IS: 13630 (P-2)
Impact resistance (Coefficient of restitution)	Test method available	Min. 0.55	> 0.65	ISO 10545:5/IS: 13630 (P-14)
Skid resistance (Friction coefficient)	Test method available	Test method available	≥ 0.4 *	ISO 10545:17 / ANSI:A326.3
Thermo photo characteristics				
Thermal shock resistance	Test method available	Min. 10 cycles	Pass min. 10 cycles	ISO 10545:9/IS: 13630 (P-5)
Co efficient of thermal expansion	9×10 ⁻⁶ Max	6×10 ⁻⁶ Max.	<6×10 ⁻⁶	ISO 10545:8/IS:13630 (P-4)
Crazing Resistance	Required	4 Cycle Pass	4 Cycle Pass	ISO 10545:11/IS:13630 (P-9)
Frost resistance	Required	Required	No Damage	ISO 10545:12/IS: 13630 (P-10)
Small colour differences	Plain coloured tiles only where req. ΔE cmc < 0.75	-	No differences	ISO 10545:16
Chemical characteristics characteristics				
Stain Resistance	Min. Class - 3	Min. class - 1	Min. conform to class-4*	ISO 10545:14/IS:13630 (P-8)
Chemical Resistance HOUSE HOLD CHEMICAL & SWIMMING POOL SALT	Min. Class-GB	Class - AA	Conform to classes-GA*	ISO 10545:13/IS:13630 (P-8)
Chemical Resistance LOW CONCENTRATIONS ACID & ALKALIES	Manufacturer is to state classification	Required	Conform to classes-GLA*	ISO 10545:13/IS:13630 (P-8)
Chemical Resistance HIGH CONCENTRATIONS ACID & ALKALIES	Test method available	Required	Conform to classes-GHB*	ISO 10545:13/IS:13630 (P-8)

- › Skid resistance value can be provided according to test method used & surface finish, also area of use.
- › VITRONITE SLAB have resistance to most of the stains/chemicals but it is recommended to take due care while laying and for day-to-day maintenance.
- › We recommend to cover the surface with polythene sheet or any other suitable source before any wall or furniture painting work starts so that beauty of slab surface remains forever.
- › Resistance to acids & alkalies (Exception Hydrofluoric acids & its Compounds)
- › Colours in the catalogue are as accurate as printing process allows. Please check actual sample before making the final selection
- › Sizes mentioned in the catalogue are nominal sizes only.
- › No claim will be entertained once the VITRONITE SLAB are is fixed.
- › 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.