

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 Staightness of sides	± 0.3%	± 0.4%	± 0.1%	ISO 10545:2/IS:13630 (P-1)
Deviation in Rectangualrity	± 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 charactersitics				
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 charactersitics				
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 charactersitics				
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 charactersitics				
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 charactersitics				
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.

TECHNICAL SPECIFICATION of FULLBODY VITRIFIED SLAB

CHARACTERISTIC	Group Ia ISO 13006-2018	Group Ia 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 charactersitics				
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 Abrason	Max. 175mm ³	Max. 140mm ³	Max. 150mm ³	ISO 10545:6/IS:13630 (P-12)
Mechanical charactersitics				
Breaking strength	1300 N	Min. 1300 N	≥ 5000 N	ISO 10545:4/IS: 13630 (P-6)
Modulus of rapture	>35 N/mm ²	Avg. 35, Ind. min. 32	≥ 40 N/mm ²	ISO 10545:4/IS: 13630 (P-6)
Safety charactersitics				
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 charactersitics				
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 charactersitics				
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-ULA*	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)

- › Skid resistance value can be provided according to test method used & surface finish, also area of use.
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- › 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.
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- › For better laying. Please follow the instructions on the packaging box.
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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)