

## PACKING DETAILS

DIMENSIONS (MM)	NO. OF SLABS/BOX	COVERAGE AREA
800x2600   15 MM	01	2.08 <sup>m<sup>2</sup></sup>

## TECHNICAL SPECIFICATIONS

S.No.	Characteristic	Group Bla : ISO 13006 - 2018	Group Bla IS :15622:2017	Full Body vitrified slab Value	Digital vitrified slab Value	Test According to
<b>Dimensions &amp; surface Quality</b>						
1	Deviation in length and width	± 0.3%	± 0.1%	± 0.1%	± 0.1%	ISO 10545:2/IS:13630 (P-1)
2	Deviation in thickness	± 5%	± 4%	± 4%	± 4%	ISO 10545:2/IS:13630 (P-1)
3	Deviation in Straightness of sides	± 0.3%	± 0.4%	± 0.1%	± 0.1%	ISO 10545:2/IS:13630 (P-1)
4	Deviation in Rectangularity	± 0.3%	± 0.1%	± 0.1%	± 0.1%	ISO 10545:2/IS:13630 (P-1)
5	Deviation in Surface Flatness	± 0.4%	± 0.50%	± 0.2%	± 0.2%	ISO 10545:2/IS:13630 (P-1)
6	Surface Quality (%)	Minimum 95%	Minimum 95%	No visible defects	No visible defects	ISO 10545:2/IS:13630 (P-1)
7	Glossiness with Nano	Declared by manufacturer	-	Minimum 90	Minimum 90	ISO 2813 (Glossy meter)
<b>Physical characteristics</b>						
8	Scratch Hardness of surface Moh's scale	Required	Min. 5	Min. 5	Min. 4	IS:13630 (P-13)
9	Water absorption	≤ 0.5% Individual maximum 0.06%	Average ≤ 0.08, Individual 0.10%max	<0.05%	<0.05%	ISO 10545:3/IS: 13630 (P-2)
10	Moisture Expansion	Test method available	Max 0.02 mm/m	Max 0.01 mm/m	Max 0.01 mm/m	ISO 10545:10 / IS:13630(P-3)
11	Surface abrasion	Required	Min Class - 2	-	PEI class 2-4	ISO 10545:7/IS:13630 (P-11)
12	Deep Abrasion	max 175 mm <sup>3</sup>	max 140 mm <sup>3</sup>	≤ 150mm <sup>3</sup>	-	ISO 10545:6/IS:13630 (P-12)
<b>Mechanical characteristics</b>						
13	Breaking strength	1300 N	Min 1300 N	≥ 5000 N	≥ 5000 N	ISO 10545:4/IS: 13630 (P-6)
14	Modulus of rupture	>35 N/mm <sup>2</sup>	Average 35, Individual minimum 32	≥ 40 N/mm <sup>2</sup>	≥ 40 N/mm <sup>2</sup>	ISO 10545:4/IS: 13630 (P-6)
<b>Safety characteristics</b>						
15	Density	Min 2.20 gm/cc	Min 2.20 gm/cc	> 2.25 gm/cc	> 2.25 gm/cc	ISO 10545:3 /IS: 13630 (P-2)
16	Impact resistance (Coefficient of restitution)	Test method available	Min 0.55	> 0.65	> 0.65	ISO 10545:5/IS: 13630 (P-14)
17	Skid resistance (Friction coefficient)	Test method available	Test method available	≥ 0.4 *	≥ 0.4 *	ISO 10545:17 / ANSI:A326.3
<b>Thermo photo characteristics</b>						
18	Thermal shock resistance	Test method available	Min 10 cycles	10 cycles Pass	Pass min 10 cycles	ISO 10545:9/IS: 13630 (P-5)
19	Co efficient of thermal expansion	9×10 <sup>-6</sup> Max	6×10 <sup>-6</sup> Max	<6×10 <sup>-6</sup>	<6×10 <sup>-6</sup>	ISO 10545:8/IS:13630 (P-4)
20	Crazing Resistance	Required	4 Cycle Pass	-	4 Cycle Pass	ISO 10545:11/IS:13630 (P-9)
21	Frost resistance	Required	Required	No Damage	No Damage	ISO 10545:12/IS: 13630 (P-10)
22	Small colour differences	Plain coloured tiles only where required ΔE cmc < 0.75	-	No differences	No differences	ISO 10545:16
<b>Chemical characteristics</b>						
23	Stain Resistance	Min Class - 3	Min class - 1	Min Confirm to class-4*	Min Confirm to class-4*	ISO 10545:14/IS:13630 (P-8)
24	Chemical Resistance HOUSE HOLD CHEMICAL & SWIMMING POOL SALT	Min class-GB/UB	Class - AA	Confirm to classes-UA*	Confirm to classes-GA*	ISO 10545:13/IS:13630 (P-8)
25	Chemical Resistance LOW CONCENTRATIONS ACID & ALKALIES	Manufacturer is to state classification	Required	Confirm to classes-ULA*	Confirm to classes-GLA*	ISO 10545:13/IS:13630 (P-8)
26	Chemical Resistance HIGH CONCENTRATIONS ACID & ALKALIES	Test method available	Required	Confirm to classes-UHB*	Confirm to classes-GHB*	ISO 10545:13/IS:13630 (P-8)

# Resistance to acids & alkalis (Exception of Hydrofluoric acid & its compounds)

\*\* Vitrified tiles have resistance to most of the stains / chemicals but, it is recommended to take due care while laying and for day-to-day maintenance.

\* Applicable in Gailpur plant only.

- 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.
- No claim will be entertained once the tiles are fixed.
- For better laying, please follow the instructions on the packaging box.
- In case it is required to lay the tiles on wall or floor in STAGGERED PATTERN, then always lay them in Overlap 20:80 ratio, as shown in VISUAL 1 instead of Brick pattern (overlap 50:50 ratio), as shown in VISUAL 2.

- Please make sure to check the shade/finish with the sales agent/dealer before making the final purchase because there might be variation in actual finish and that shown in the catalogue. The company will not bear any loss in such case.



VISUAL 1



VISUAL 2