TECHNICAL SPECIFICATIONS – VITRIFIED TILES- POLISHED				
SR	characteristics	International Std. ISO 13006 Group Bla	Specification Of LV Tiles	Method of Testing
1	Length	±0.3%	±0.1%	ISO 10545-2
2	Thickness	±5%	±5%	ISO 10545-2
3	Straightness of Sides	±0.3%	±0.1%	ISO 10545-2
4	Rectangularity	±0.3%	±0.1%	ISO 10545-2
5	Surface Flatness	±0.4%	±0.1%	ISO 10545-2
6	Glossiness	declared by manufacturer	pol-92~100%	ISO 2813 (Gloss meter)
7	Water Absorption	E≤ 0.5 %	≤ 0.05 %	ISO 10545-3
8	MOH's Hardness	≥ 5	≥ 5	IS13630-13
9	Abrasion Resistance	declared by manufacturer	PEI 3	ISO 10545-7
10	Flexural Strength (MOR)	≥ 35 N/mm2 (350 Kg/cm2)	≥ 40 N/mm2 (400 Kg/cm2)	ISO 10545 -4
11	Breaking strength	1300 Newton	1800 Newton	ISO 10545 -4
12	Density	≥ 2.0 gm/cc	> 2.3 gm/cc	DIN 51082
13	Thermal Shock Resistance	resistant to 10 cycles	pass min10 cycles	ISO 10545 -9
14	Crazing Resistance	In conformity with the Norms	Passed min 4 cycles at 7.5 kg/cm2/168 ^{o} C	ISO 10545 - 11
15	Chemical Resistance HOUSEHOLD CHEMICALS & SWIMMING POOL SALTS	min class- GB	confirm to classes-GA	ISO 10545 -13
16	Chemical Resistance LOW CONCENTRATIONS ACIDS & ALKALIS	min class- GLB	confirm to classes-GLA	ISO 10545 -13
17	Chemical Resistance HIGH CONCENTRATIONS ACIDS & ALKALIS	min class- GHB	confirm to classes-GHA	ISO 10545 -13
18	Stain Resistance	min class-3	min confirm to class -3	ISO 10545 -14