

Technical Specification				CASTILLA infinite possibilities	
Gres Porcelain Tiles					
300 X 300, 400 X 400 Sizes Coverd					
Packing detalas per standard					
TECHNICAL DATA					
Sr.No	Characteristics	ISO 13006 0.5% <E≤3 % Group Blb	EN 14411 Group Blb	Test Method	Production Value
A	Dimension & Surface Quality				
I	Length & Width	± 0.3%	± 0.6%	ISO 10545-2	± 0.1%
II	Thickness	± 5.0%	± 5.0%		± 4%
III	Straightness of Side	± 0.3%	± 0.5 %		± 0.1%
IV	Rectengularity	± 0.3%	± 0.5 %		± 0.1%
V	Surface Flatness				
A	Center curvature (%)	± 0.4%	± 0.5 %		± 0.2 %
B	Edge curvature (%)	± 0.4%	± 0.5 %		± 0.2 %
C	Corner warpage (%)	± 0.4%	± 0.5 %		± 0.2 %
VI	Surface Quality	Min. 95 % of tiles will be free from visible defects	Min. 95 % of tiles will be free from visible defects		Min. 98 % of tiles will be free from visible defects
B	Physical Properties				
I	Water Absorption	Av ,<3.0% Individual 3.3 max	Av ,<3.0% Individual 3.3 max	ISO 10545-3	Max 1.0 %
II	Modulus of Rupture [N/mm2]	Av 30, Individual 28 min	Av 30, Individual 28 min	ISO 10545-4	>38
III	Breaking Strength in N	700 for ≤ 7.5mm thickness 1100 for > 7.5mm thickness	700 for ≤ 7.5mm thickness 1100 for > 7.5mm thickness	ISO 10545-4	>1500
IV	Moisture Expansion in mm/m	No mention	No mention	ISO 10545-10	0.02
V	Resistance to Abrasion of glazed tiles(Class I to V)	Depending on surface (As reported)	Depending on surface (As reported)	ISO 10545-7	Class 4
VI	Coefficient of linear thermal expansion from embiant temperature to 100 ° C	9 X 10 ⁻⁶ K ⁻¹ max	9 X 10 ⁻⁶ K ⁻¹ max	ISO 10545-8	7 X 10 ⁻⁶ K ⁻¹ max
VII	Thermal Shock Resistance	10 cycle min	10 cycle min	ISO 10545-9	10 cycle min
VIII	Crazing Resistance	2 Cycle (@ 5 bar))	2 Cycle (@ 5 bar))	ISO 10545-11	4 cycle passed
IX	Frost resistance	Required	Required	ISO 10545-12	Passed
X	Deep Abrasion Resistance	Max 175	Max175	ISO 10545-6	175
XI	Chemical Properties				
C	Stain Resistance				
II	Resistance to household chemicals	Min Class B	Min Class B	ISO 10545-13	Class A
iii	Resistance to Acid and alkalies			ISO 10545-13	Class A