



"our footprint evidences our quality"

# BHARAT TEST HOUSE

(NABL Accredited & BIS Recognised Lab.)

Regd. Office : 109, 1st. Floor, Anupam Bhawan, Azadpur, Delhi-110033  
 Lab-1 : 454/2, Bharat Test House Complex, Azadpur, Delhi-110033  
 Lab-2 : 26, Wazirpur Indl. Area, Wazirpur, Delhi-110052, India  
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## TEST REPORT

Test Report No. : 20130613001  
 Issue Date : 13/06/13  
 Issued To : M/s Somy Ceramics Limited  
 Kassar-124507, Distt. Jhajjar,  
 Bahadurgarh, Haryana, India.

Ref. No. : SCL:KAS:2013-14:PUR:-308  
 Date : 04/05/13  
 Job Order No. : BTH-W/BM/130510/10  
 Date of Sample Receipt : 10/05/13

Sample Deposited by : Party

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Sample Description : Said to be "Tiles, Size:300 x 300 x 10mm, Group BIIa (EN-14411:2006) Annex J Qty: 90 No."

S. No.	Tests & Clause Reference	Requirements as per EN 14411:2006		Results
		Table J.1 for water absorption 3<E<6% (Group B-IIa)		
		Surface of the product (s)		
		S > 410 cm <sup>2</sup>		
A.	Dimension and surface Quality (EN ISO 10545-2)			
	Length and width			
1.	The deviation in percent of the average size of each tile (2 or 4 sides) from the work size (W)	± 0.6		0.41
	The deviation in percent of the average size of each tile (2 or 4 sides) from the average size of the 10 test specimen (20 or 40 sides)	± 0.5		0.34
2.	Thickness			
	The deviation in percent of average thickness of each tile from the work size thickness	± 5		- 2.1
B.	PHYSICAL PROPERTIES			
1.	Water absorption (EN ISO 10545-2)			
	Average	3 < E ≤ 6 %		3.6
	Individual	6.5 % Max.		3.8
2.	Modulus of rupture (EN ISO 10545-4)			
	Average	22 N/mm <sup>2</sup> Min. (Not applicable for tiles with breaking strength ≥ 3000N)		44.8
	Individual (Min.)	20 N/mm <sup>2</sup> Min. (Not Applicable for tiles with breaking strength ≥ 3000N)		42.7
3.	Breaking Strength (EN ISO 10545-4)	1000N for ≥ 7.5mm thickness, Min.		2234
4.	Abrasion resistance (EN ISO 10545-7)			
	Resistance to surface abrasion of glazed tiles intended for use on floors	Report abrasion class and cycles passed		Class 5

(Rohit Garg)  
Quality Manager

(1) The above results are related only to the tests performed on the sample. Endorsement of product is neither inferred nor implied. (2) This report is not to be reproduced wholly or in part & forbidden to be used as an evidence in the court of law & ought not to be used in any advertising media without our special permission in writing. (3) Samples will be destroyed after 15 & 30 days from the date of reporting unless otherwise specified. (4) Total liability of our Test House is limited to the invoiced amount (5) Report refers to the sample received by Bharat Test House unless mentioned otherwise.

ISO 9001, 14001 & OHSAS 18001 CERTIFIED LABORATORY



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BTH

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Test Report No. : 20130613001 Job Order No. : BTH-W/BM/130510/10 Page : ...2... of ...2....

S. No.	Tests & Clause Reference	Requirements as per EN 14411:2006 Table J.1 for water Absorption 3<E<6% (Group B-IIa)	Results
5.	Thermal Shock resistance (EN ISO 10545-9)	-----	None of the tiles as tested showed any sign of the defects on the surface at the end of 10 cycles
6.	Crazing resistance glazed tiles (EN ISO 10545-11)	-----	None of the tiles tested showed any sign of the crazing on the glazed surface at the end of 4 <sup>th</sup> cycles
7.	Frost resistance (EN ISO 10545-12)	-----	None of the tiles as tested showed any damage on the glazed or proper surfaces and the edges of the tiles after 100 cycles.
8.	Coefficient of friction (Tiles intended for use on floors) (EN ISO 10545-17)	-----	0.60
9.	Impact resistance (EN ISO 10545-5)	-----	0.92
C.	<b>CHEMICAL PROPERTIES</b>		
1.	Resistance to staining of glazed tiles (EN ISO 10545-14)	Minimum Class 3	Class 3
2.	Resistance to household chemicals and swimming pool salts: (EN ISO 10545-13)	Minimum GB	Class GB

Remarks: Nil.

Checked by

Authorized Signatory  
(Rohit Garg)  
Quality Manager

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