



सीएसआईआर-केन्द्रीय काँच एवं सिरामिक अनुसंधान संस्थान  
(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद)

नरोडा केन्द्र, नरोडा इन्डस्ट्रीयल एस्टेट- अहमदाबाद - ३८२३३० (भारत)

**CSIR-Central Glass & Ceramic Research Institute**

(COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH)  
NARODA CENTRE, NARODA INDUSTRIAL ESTATE, AHMEDABAD-382 330 (INDIA)



**TEST CERTIFICATE**

Sample Regn. No. 20122412-286

Date : 24.12.2012

Sr. No. : GC/NC/11860/

0427

Issued to

M/s Simola Vitrified Pvt. Ltd.  
Old Ghuntu Road,  
B/h Nelco Ceramics  
Mrobi-363 642

Ref. No. : GC/NC/TST-Misc/2013

Date : 12.02.2013

Customer Ref. No.

Date : 24.012.2012

**SAMPLE DESCRIPTION AS PER:** Polished vitrified tiles of size 605 mm X 605 mm brand 'SIMOLA' as submitted by the **CUSTOMER'S LETTER** party.

**VISUAL OBSERVATION :** Ivory coloured polished vitrified tiles.

**TEST DESIRED:**

Sr. No.	TEST	Standard/Methods
1.	Water absorption (% by mass).	ISO 13006 : 1998
2.	Modulus of Rupture (N/mm <sup>2</sup> ).	
3.	Breaking Strength (N).	
4.	Dimension (L X B).	
5.	Straightness of sides.	
6.	Rectangularity.	
7.	Surface Flatness.	
8.	Deep Abrasion.	
9.	Thermal Shock.	
10.	Resistance to Chemical.	
11.	Bulk Density.	IS 13630:2006
12.	Scratch Hardness.	
13.	Whiteness.	Standard Lab. Method
14.	Glossiness.	

**RESULTS**

Sr. No.	Test Conducted	Test Results	Remarks
1.	Water absorption (% by mass)	0.06 0.05 0.05 0.05 0.06 Average 0.05	Based on the results of the Water absorption, the tested tiles conformed to Gr.B1a ( WA< 0.05 % ) of ISO 13006 : 1998. . The further test results were derived as per requirement of Group Bla ISO 13006 : 1998.

Test Conducted	Test Results	Test Requirements As per ISO 13006 : 1998 (Gr. Bla)	Remarks
2. Modulus of Rupture (N/mm <sup>2</sup> )	Span Length = 380 mm Average Thickness of the tile measured = 8.14 mm. I. 47.8 II. 47.3 III. 48.2 IV. 49.3 V. 49.6 VI. 49.8 VII. 48.7 Average = 48.7	Average 35 N/mm <sup>2</sup> Individual 32 N/mm <sup>2</sup> Minimum	Passed the test

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