भारत सरकार **Government of India**
राष्ट्रीय परीक्षण शाला (पश्चिमी क्षेत्र)
National Test House (WR)
राष्ट्रीय परीक्षण शाला (पश्चिमी क्षेत्र), प्लॉट नं. एफ -10, एम.आई.डी.सी., मरोल, अंधेरी (पू.), मुंबई, महाराष्ट्र – 400093
Plot No. F – 10, M.I.D.C, Marol, Andheri (E), Mumbai Maharashtra - 400093

PART A. PARTICULARS OF SAMPLE SUBMITTED

COMPLETE TEST CERTIFICATE

भाग 'अ' जमा किये गये नमूने का विवरण

परीक्षण प्रमाणपत्र सं/Test Certificate No:	SRF Number:	जारी होने की तिथि/Date of issue	कोड सं/QR Code
NTH(WR)/CIV(G)/23/1473_1	**NTH(WR)/CIV(G)/23/1473**	**23 Jun, 2023**	**: NTH230026323**

a) जिसे जारी करना है/Issued To	:	KRISHNA SIZING
b) पता/Address	:	GALA NO 1, UNIT NO2, ED ESTATE, SAAGPADA, CHINCHOTI, VASAI BHIWANDI ROAD, VASAI EAST., VASAI, Palghar, Maharashtra, India - 401205
c) ग्राहक का संदर्भ सं एवं दिनांक/ Customer's Ref. No.	:	TR/WR/23/1336 - 07 Jun, 2023
d) नमूना मुहरबंद स्थिति/ Sample Sealed Status	:	Not Sealed
e) परीक्षण सामग्री का विवरण/ Description of Test item	:	SAMPLE SIZES ARE 300MMX300MMX20MM
e) नामपद्धति का विवरण/ Description of Nomenclature	:	TERRAZZO TILES CEMENT BASE
f) नमूना का विशिष्टता (यदि हो)/ Product Specification(if any)	:	Custom CC Tiles, NTH(WR) - Cement Based Tiles - Terrazo
g) नमूना प्राप्ति की तिथि /Date of Receipt of the Test item	:	13 Jun, 2023
h) कार्य सम्पादन की तिथि/ Date(s)of Performance of Tests	:	From: 22 Jun, 2023 To: 23 Jun, 2023
i) Quantity	:	24.0 NOS
j) Any other Information / Expiry Date, If any	:	REQUIRED TEST: - 1) SIZE DIVIATION LENGHT AND WIDTH WISE. 2). THICKNESS DIVIATION & ANGLE TOLERANCE 3). FLATNESS 4). APPEATANCE QUALITY 5). MOH'S HARDNESS 6). WATER ABSORPTION 7). BALL IMPECT 8). BENDING PROPERTIES 9). COMPRESSIVE STRENGTH 10). LINEAR EXPANSION COEFFICIENT 11). GLOSS 12). RADIOACTIVITY.
k) Section Code	:	23CVC5E4P
l) Section Report No.	:	23CVC5E4P_1
m) Report Type	:	New
n) Reference Report No.	:	
o) Remarks	:	NA

Hemchandra Meshram
OIC SAMPLE CELL
(Authorized Signatory)
Authorized on: 23 Jun, 2023 14:08 PM

This Certificate Shall not be reproduced except in full, unless permission for the reproduction of an approved abstract has been obtained from the Director, National Test House (WR), Mumbai. The Conformity Statement is based on the limiting values of the Product Specification.

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PART B. SUPPLEMENTARY INFORMATION

1.	नमूना लेने की प्रक्रिया का संदर्भ, जहां लागू हो! Reference to sampling procedure, wherever applicable.	No
2.	परीक्षण रिपोर्ट से संबंधित मापन एवं परिमाण प्रप्ति हेतु सहायक प्रलेख जैसे ग्राफ, तालिका, चित्र और / अथवा फोटोग्राफ , यदि कोई हो। Supporting documents for the measurements taken and results derived like graphs, table sketches and or photographs as appropriate to test report, if any.	No
3.	सम्बध्द मानक / कार्य निर्देशो में निर्धारित परीक्षण पद्धति से विचलन , यदि कोई हो। Deviation from the test methods as prescribed in relevant ISS/Work instruction, if any.	Not Applicable
4.	परीक्षण सामग्री की पहचान/identification of Test item	Stated as Terrazzo Tiles Cement Based of size approx. 600mm x 600mm approx 20mm thickness with pink colour finish.
5.	व्यावद्रत की प्राणाली की पहचान/Method(s) used for Test	On the lines of IS 1237, IS 13630, TAPPI - 480 (IS 1060), etc.
6.	नमूना प्रक्रिया जहां प्रासंगिक हो/Sampling Procedure where relevant	NA
7.	पर्यावरण की स्थिति/Environmental Conditions	On the lines of relevant standards.
8.	उपयोग किए जाने वाले प्रमुख मानक/उपकरण/Major Standards/Equipments used	- -
9.	कैलिब्रेशन स्थल/Site of Calibration	- -
10.	मापन का पता लगाने की क्षमता/Traceability of Measurement	- -

Dr. Somit Neogi
OIC Testing/Calibration Civil
(Authorized Signatory)
Authorized on: 23 Jun, 2023 13:52 PM

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PART C. TEST RESULT

S.No.	Clause No Table No. Sl. No	Parameter - Method of test	Test Description	Min Limit	Max Limit	Unit	Result/ Observation
1	IS 101	Gloss at 60 Deg. (on the lines of IS 101)	Gloss at 60 Deg. (on the lines of IS 101)	-	-	-	Gloss at 60 Degree (On the lines of TAPPI T-480) = 22.37
2	Part 4 of IS 13630	Coefficient of Linear Thermal Expension (on the lines of IS 13630 -Part 4),	Coefficient of Linear Thermal Expension (on the lines of IS 13630 -Part 4),	-	-	-	Average value, in Per Deg. C. =5.06*10^-7
3	6.1 of IS 3367	Compressive Strength (on the lines of IS 3367), MPa	Compressive Strength (on the lines of IS 3367), MPa	-	-	-	Average Compressive Strength, in N/mm^2 =21.09
4	Part 14 - IS 13630	Drop Ball Impact Resistance (on lines of IS 13630 (Part 14))	Drop Ball Impact Resistance (on lines of IS 13630 (Part 14))	-	-	-	A ball of 225g when dropped from a height of 0.8m. Observation = No Physical Damage to the tiles observed.
5	Part 13 - IS 13630	Scratch Hardness on Mho's Scale (One the lines of IS 13630 (Part 13))	Scratch Hardness on Mho's Scale (One the lines of IS 13630 (Part 13))	-	-	-	Scratch Hardness on Mho's Scale between 4-5
6	12.7 of IS 1237	Resistance to Wear (on the lines of IS 1237 Cl 12.7), in mm	Resistance to Wear (On lines of IS 1237 Cl. 12.7), in mm	-	-	-	Average loss of thickness, in mm= 6.44
7	12.6 of IS 1237	Wet Transverse Strength (On lines of IS 1237 Cl. 12.6), in %	Wet Transverse Strength (On lines of IS 1237 Cl. 12.6), in %	-	-	-	Average Wet Transverse Strength, in N/mm^2 =4.0
8	12.5 of IS 1237	Water Absorption (On lines of IS 1237 Cl. 12.5), in %	Water Absorption (On lines of IS 1237 Cl. 12.5), in %	-	-	-	Average Water Absorption, in %= 6.56
9	12.4 of IS 1237	Straightness of tiles (on lines of IS 1237 cl. 12.4), in %	Straightness of tiles (on lines of IS 1237 cl. 12.4), in %	-	-	-	Maximum Individual Value, in % = (-)0.16
10	12.3 of IS 1237	Perpendicularity of tiles (on lines of IS 1237 cl. 12.3), in %	Perpendicularity of tiles (on lines of IS 1237 cl. 12.3), in %	-	-	-	Maximum Individual Value, in % = (-)0.54
11	12.2 of IS 1237	Flatness of tiles (on lines of IS 1237 cl. 12.2), in %	Flatness of tiles (on lines of IS 1237 cl. 12.2), in %	-	-	-	Maximum Individual Value, in % = (-)0.11
12	7 & 8.1 of IS 1237	Thickness and Thickness of wearing layer (on the lines of IS 1237), in mm	Thickness and Thickness of wearing layer (on the lines of IS 1237), in mm	-	-	-	a) Average thickness, in mm = 19.54 b) Maximum variation, in mm = (+)0.97,(-)0.94
13	7 & 8.1 of IS 1237	Dimension & Tolerances (On the lines of IS 1237), in mm	Dimension & Tolerances (On the lines of IS 1237), in mm	-	-	-	1) Length a) Average length, in mm = 600.42 b) Max Variation, in mm = (+)1 2) Breadth a) Average Breadth, in mm = 600.33 b) Max Variation, in mm = (+)1 ,(-)1

Vikram Kamble
Lab Sc. Testing/Calibration Civil
(Authorized Signatory)

Dr. Somit Neogi
OIC Testing/Calibration Civil
(Authorized Signatory)
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PART D. REMARKS

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PART D. Notes

The submitted tiles were of uniform colour and texture and were free from visual defects like projections , holes, cracks, cavities etc. No comments can be offered since the product was not in accordance with any IS specification and the tests are conducted on the lines of method of tests.

Dr. Somit Neogi
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End of Report