

Format No AT-01

Rev. No.00

TEST REPORT

TEST REPORT ISSUED BY: **LOCATION-01: VASAI LAB (TEST)**
TEST REPORT NO.
ULR NO.
TEST REPORT & ISSUE DATE:
DISCIPLINE : MECHANICAL TEST

SAMPLE TESTED BY/AT: **LOCATION-01: VASAI LAB (TEST)**
TRL-29906-TR-626710
TC571323100029409F
25/12/2023
GROUP NAME : BUILDING MATERIALS

CUSTOMER NAME & ADDRESS:

M/s Noff
House No-853/D, Gala No-01, Naseem Compound, Kambe Talavali Naka,
Bhiwandi (Municipal Corporation) Bhlwandi,
Thane

PROJECT SITE ADDRESS:

Noff
House No-853/D, Gala No-01, Naseem Compound, Kambe Talavali Naka,
Bhiwandi (Municipal Corporation),
Thane.

QUANTITY:

DATE OF RECEIPT:

CUSTOMER REF. NO & DATE:

CONDITION OF SAMPLE ON RECEIPT:

SOURCE OF SAMPLE AS GIVEN BY CUSTOMER:

TEST METHOD:

15 kg

11/11/2023

Letter Dated-11/11/2023

Ok

Grey-Type 4

IS 15477 : 2019

PHYSICAL TEST RESULTS OF TILE ADHESIVE

(*)TYPE OF TILE ADHESIVE : TYPE-4

(*)USE APPLICATION : NA

(*)WATER-POWDER RATIO, % : 24.5

PERIOD OF TESTING: 21/11/2023 TO 19/12/2023

OPEN TIME (minute) : 45

(*)DEFORMABILITY ADHESIVE CLASS : Adhesive S1

Sr. No.	Slip, mm	Requirement as per IS 15477, Clause No 5.5
1	0.35	Not more than 0.5mm for Vertical Application

TENSILE ADHESION DRY CONDITION (28DAYS)

EXPRESSION OF REPORT: Normal Condition

Sr. No.	Dolly Size (mm)		Tensile adhesion Force, N	Tensile Pull Off Adhesion Strength(MPa)	Nature of Failure	Requirement as per IS 15477, Table-1, Min
1	51.02	50.32	3845.6	1.76	Cohesive Failure within the adhesive	1.5 N/mm ²
2	51.06	50.64	3924.1	1.79	Cohesive Failure within the adhesive	
3	51.36	50.8	2984.8	1.35	Cohesive Failure within the adhesive	
4	51.4	50.9	3278.3	1.47	Cohesive Failure within the adhesive	
5	50.95	49.91	3081.1	1.43	Cohesive Failure within the adhesive	
Average				1.56		

TENSILE ADHESION WET CONDITION (28DAYS)

EXPRESSION OF REPORT: Normal Condition

Sr. No.	Dolly Size (mm)		Tensile adhesion Force, N	Tensile Pull Off Adhesion Strength(MPa)	Nature of Failure	Requirement as per IS 15477, Table-1
1	51.16	50.07	2394.3	1.1	Cohesive Failure within the adhesive	1 N/mm ²
2	51.14	51.04	2708.3	1.22	Cohesive Failure within the adhesive	
3	51.07	50.9	2787.8	1.26	Cohesive Failure within the adhesive	

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4	51.19	50.42	2570.9	1.17	Cohesive Failure within the adhesive
5	51.05	50.69	2708.3	1.23	Adhesive Failure between tile and adhesive
Average				1.2	

SHEAR ADHESION DRY CONDITION (28 DAYS)

Description	Spec.-1	Spec.-2	Spec.-3	Spec.-4	Spec.-5	Requirement as per IS 15477, Table-1, Min
Shear Area, mm ²	9578.6	9720.6	9580.8	9696.2	9676.5	1.5 N/mm ²
Shear Load, N	18934.3	17646.2	17517.7	20945.3	20846.3	
Shear Adhesion Strength, N/mm ²	2	1.8	1.8	2.2	2.2	
Average Shear Adhesion Strength, N/mm ²					2	

SHEAR ADHESION HEAT CONDITION (28 DAYS)

Description	Spec.-1	Spec.-2	Spec.-3	Spec.-4	Spec.-5	Requirement as per IS 15477, Table-1, Min
Shear Area, mm ²	9603.1	9644	9752	9552.1	9451.7	1 N/mm ²
Shear Load, N	14693.4	12523.4	12563.7	15128	14733.6	
Shear Adhesion Strength, N/mm ²	1.5	1.3	1.3	1.6	1.6	
Average Shear Adhesion Strength, N/mm ²					1.5	

SHEAR ADHESION WET CONDITION (28 DAYS)

Description	Spec.-1	Spec.-2	Spec.-3	Spec.-4	Spec.-5	Requirement as per IS 15477, Table-1, Min
Shear Area, mm ²	9611.8	9533.5	9560.7	9504.9	9591.9	1 N/mm ²
Shear Load, N	15872.6	15575.3	15763.7	16060.9	15466.4	
Shear Adhesion Strength, N/mm ²	1.7	1.6	1.6	1.7	1.6	
Average Shear Adhesion Strength, N/mm ²					1.6	

DEFORMABILITY AT 28 DAYS

Sr. No.	Initial Reading, mm	Final Reading, mm	Deformability, mm	Remarks	Requirement as per IS 15477, Clause No 5.6
1	0	2.91	2.91	NA	2.5 mm to 5.0 mm
2	0	2.46	2.46	NA	
3	0	2.87	2.87	NA	
4	0	2.15	2.15	NA	
5	0	2.91	2.91	NA	
Average			2.66		

(*)mark information furnished by the customer.

NOTE:

- Sample/s was/were not drawn by laboratory.
- The Reported result/s is/are valid only to the sample submitted to the laboratory.
- No part of the report, except in full, shall be reproduced without written consent of the laboratory.

-- The authenticity of this report can be verified by scan QR Code to know your Report mentioned below.

*****End of Report*****

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Mahemood ahmed
Authorized Signatory



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