

Report No :- CT/NSK/R/10229/22

Date :- 10/10/2022

Test Report

Customer Name :- GREYMAX INDUSTRIES PRIVATE LIMITED

Address :- Nashik

Name of Work :- GREYMAX INDUSTRIES PRIVATE LIMITED

Material identification :- Wall Panel - Fibre Cement flat sheets

Method Used :- Fibre Cement flat sheets as per IS 14862-2000 RA 2020

Job no :- 100407

Date of receipt of material :- 04/10/2022

Date of performance of test

:- 05/10/2022 to
10/10/2022

Nominal Weight

Sr. No.	Sample details	Dry Weight in kg	Area in m ²	Nominal Weight (Kg/sqm)	Avg. Nominal Weight (Kg/sqm)
1	Sample 1	2.55	0.06	40.51	40.25
2	Sample 2	2.58	0.06	40.63	
3	Sample 3	2.52	0.06	39.61	

Apparent Density

Sr. No.	Sample details	Dry Weight in kg	Volume in m ²	Apparent Density (Kg/m ³)	Avg. Apparent Density (Kg/m ³)
1	Sample 1	2.55	0.004	671.64	667.82
2	Sample 2	2.58	0.004	675.49	
3	Sample 3	2.52	0.004	656.35	

Axial Load Test

Sr. No.	Sample details	Load in kN	Axial Load kN/m (with Factor of safety 2.5)	Axial Strength in N/mm ²
1	Sample 1	59.29	94.86	3.95
2	Sample 2	48.60	77.76	3.24

Dry Flexural Test /Modulus of Rupture Test

Sr. No.	Sample details	Avg. Load (in two direction) in kN	Distance between axes of support L in 'mm'	Width of test piece 'mm'	Thickness in 'mm'	Modulus of Rupture N/mm ²
1	Sample 1	5.47	215.0	250.2	60.1	1.95
2	Sample 2	5.43	215.0	250.3	60.0	1.94
3	Sample 3	5.50	215.0	250.1	60.1	1.96
4	Sample 4	5.75	215.0	250.1	60.0	2.06
5	Sample 5	5.96	215.0	250.2	60.0	2.13
6	Sample 6	5.45	215.0	250.3	60.1	1.94
7	Sample 7	5.87	215.0	250.4	60.0	2.10
8	Sample 8	5.91	215.0	250.1	60.0	2.12
9	Sample 9	6.13	215.0	250.0	60.1	2.19
10	Sample 10	5.58	215.0	250.0	60.1	1.99

Wet Flexural Test /Modulus of Rupture Test

Sr. No.	Sample details	Avg. Load (in two direction) in kN	Distance between axes of support L in 'mm'	Width of test piece 'mm'	Thickness in 'mm'	Modulus of Rupture N/mm ²
1	Sample 11	3.95	215.0	250.30	60.0	1.41
2	Sample 12	6.19	215.0	250.40	60.0	2.21
3	Sample 13	4.92	215.0	250.10	60.0	1.76
4	Sample 14	5.23	215.0	250.10	60.0	1.87
5	Sample 15	4.01	215.0	250.30	60.0	1.44
6	Sample 16	5.59	215.0	250.25	60.0	2.00
7	Sample 17	4.52	215.0	250.30	60.0	1.62
8	Sample 18	4.81	215.0	250.10	60.0	1.72
9	Sample 19	6.31	215.0	250.20	60.0	2.26
10	Sample 20	5.55	215.0	250.10	60.0	1.99

Note. :-

- 1) This report refers only to the particular sample submitted to lab for the Test.
- 2) Report shall not be reproduced except in full without prior written permission of Civil Tech.

For CivilTech,

Lab Manager

Minal V. Bagul