



भारत सरकार Government of India  
राष्ट्रीय परीक्षण शाला (द.क्षे.)  
NATIONAL TEST HOUSE (SR)

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Final Report

Test Certificate No.	Date of Issue:	Code No.	No. of Pages:
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Annexure

FLEXO

As desired, the sample of Fibre Cement Board - HICEM for Category - A have been subjected to the following tests in accordance with BS EN 12467:2012 for Fibre -Cement Flat Sheets with the results noted below:

Nature of Tests		Results obtained for Category -A
S.No.		
1	<b>Test for Water Impermeability</b> (as per cl 5.4.5 of BS EN 12467:2012)	
	The cut specimens of Fibre Cement Board are subjected to a height of water of 20mm over the surface of the board for 24 hr.	Traces of moisture appeared on the bottom surface and not droplets.  Satisfactory
2	<b>Test for Modulus of Rupture and Modulus of Elasticity</b> (as per cl 5.4.5 of BS EN 12467:2012)	
2.1	Modulus of Rupture, MPa	
2.1.1	Dry Condition	14.08
2.1.2	Wet condition	9.20
2.2	Modulus of Elasticity, MPa	

Tested by

S.ThirumalaiKolundu  
Scientist SB(Civil)

Checked &amp; Approved by

G.N.Sudhakar  
Scientist SD(NDT)





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2.2.1	Dry Condition	7071
2.2.2	Wet condition	4210
<b>3</b>	<b>Test for Freeze-Thaw</b> (as per cl 5.5.2 of BS EN 12467:2012)	
3.1	Modulus of Rupture after 100 cycles of Freezing and thawing, MPa	12.40
3.2	Modulus of Elasticity after 100 cycles of Freezing and thawing , MPa	5383
3.3	Lower Estimation (RL)	1.30
<b>4</b>	<b>Test for Warm Water</b> (as per cl 5.5.4 of BS EN 12467:2012)	
4.1	Modulus of Rupture after 56 cycles at 60°C warm water, MPa	14.07
4.2	Modulus of Elasticity after 56 cycles at 60°C warm water , MPa	9467
4.3	Lower Estimation (RL)	1.50
<b>5</b>	<b>Test for Soak-Dry</b> (as per cl 5.5.5 of BS EN 12467:2012)	

Tested by

**S.ThirumalaiKolundu**  
Scientist SB(Civil)

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