



## Chemical & Metallurgical Services

(NABL ACCREDITED LABORATORY)



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### TEST CERTIFICATE

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<b>Test Report No.</b>	: CMS/LTR/T-11115-Y/2016-17	<b>Date</b>	: 13-03-2017
<b>Issued To</b>	: M/s.Ramco Industrial Limited "Auras Corporate Centre" II & VI Floor 98A, Dr. Radhakrishnan Road, Post Box No. 2949, Mylapore, Ch-4.		
<b>Your Ref.</b>	: Letter Dt: 05.02.2017,		
<b>No. of Samples</b>	: 1No.	<b>Date of Receipt of Sample</b>	: 06-03-2017
<b>Nature of Test</b>	: Physical Test	<b>Date of Testing</b>	: 10-03-2017
<b>Enclosures</b>	: Nil		

### TEST RESULTS

**Test Method** : IS: 14862, ASTM D-1032, IS: 2380, ASTM C1185.

**Sample Details**

**Fibre Cement Board (HICEM FLEXO)**

<u>TEST</u>	<u>RESULT</u>
1) Modulus of Rupture	
(a) Parallel to fibre	= 14.7 N/mm <sup>2</sup>
(b) Perpendicular to fibre	= 8.6 N/mm <sup>2</sup>
2) Compressive Strength	= 31.5 N/mm <sup>2</sup>
3) Tensile Strength	
(a) Parallel to fibre	= 21.2 N/mm <sup>2</sup>
(b) Perpendicular to fibre	= 18.3 N/mm <sup>2</sup>
4) Screw withdrawal strength	= 1850 N
5) Moisture content EMC	= 11 %
6) Water Absorption	= 36 %
7) Density	= 1250
8) Dry Wet Shrinkage	= 0.19 %
9) Water Impermeability	= No deposit of water at the bottom after 24 hours
<b>Remarks:- Passes the test</b>	

**R.M.D. NAYAR**  
(Ex- Scientist - NML - CSIR)  
Technical Director

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Recognised & Approved Laboratory by Steel Authority of India Ltd, RITES LTD, Airports Authority of INDIA LTD, Defence Establishments, National & International Third Party Inspection Agencies & Many other State & Central Government Establishments.

Note:- This report relates only to the particular Sample submitted for test. Any correction not attested shall invalidate this certificate. Sample will be destroyed after 15 days from the date of issue of certificate unless instructed otherwise. Any complaints about this report should be communicated in writing within 7 days of the issue of this report. This report should not be reproduced wholly or in parts and cannot be used as evidence in a court of law and shall not be used in advertising media without prior permission in writing. Sample descriptions is not verified in all case and is given as described by the customers. Samples are not drawn by us unless otherwise stated.