



❖ Geotechnical Exploration
❖ Geo Physical Study
❖ Land Survey

❖ Building Material Testing
❖ Pile Dynamic Test & Pile Integrity
❖ Pile Load Test, Bridge Load Test

❖ Third Party Inspection
❖ Metallurgical NDT & Radiography
❖ Pavement Design (Flexible & Rigid)
❖ Destructive & Non Destructive Testing

TEST REPORT- CUBE

MSMED Regd. No. 24-019-22-01281 & VUDA REGD. NO. UDA/PLAN-05/233/2005

Test Report No.: **GES-CON-RPT-VAD-150610-12/01/05**

Date: **31-Aug-15**

Amendment No:

Amendment Date:

Name of Customer	:	20 Microns Limited, Vadodara
Name of Owner	:	-
Name of Project/Site	:	-
Material Received	:	Cubes, Proportion 1 : 4 (70.6mm X 70.6mm X 70.6mm)
Date of Sample Receipt	:	Date: 06/07/2015
Condition of Sample when Received	:	OK
Letter Reference No.	:	Letter Dated: 09/07/2015
Source of Sample & Sample ID	:	30% Micronsil-30 C (1:4) Without Curing
Method of Test	:	IS 516 - 1959, RA 2008 Clause No. 5
IS Specification	:	IS 2250 - 1981

TEST RESULTS:

Sr. No.	Identification Mark	Casting Date	Testing Date	Age of Specimen	Weight	Density	Failure Load	Compressive Strength	Average Strength
				Days					
1	Cube 1	3-Aug-15	6-Aug-15	3	0.78	2216.6	54.5	10.93	12.41
2	Cube 2				0.784	2227.9	64.5	12.94	
3	Cube 3				0.788	2239.3	66.5	13.34	
4	Cube 4	3-Aug-15	10-Aug-15	7	0.779	2213.7	68.5	13.74	14.51
5	Cube 5				0.762	2165.4	68.0	13.64	
6	Cube 6				0.774	2199.5	80.5	16.15	
7	Cube 7	3-Aug-15	31-Aug-15	28	0.820	2330.2	166.0	33.30	34.11
8	Cube 8				0.823	2338.8	169.5	34.01	
9	Cube 9				0.830	2358.7	174.5	35.01	

Mortar Mix (by Loose Volume) (Cement: Sand) Table-1						
MM 7.5	MM 7.5	MM 5	MM 3	MM 1.5	MM 0.7	
Proportion 1 : 3	Proportion 1 : 4	Proportion 1 : 5	Proportion 1 : 6	Proportion 1 : 7	Proportion 1 : 8	
7.5 N/mm ² & Above	7.5 N/mm ² & Above	5 to 7.5 N/mm ²	3 to 5 N/mm ²	1.5 to 2 N/mm ²	0.7 to 1.5 N/mm ²	

Compressive strength Requirements (IS: 2250:1981 Table-1): compressive strength at 28 days shall be as per Grade (MM 0.7 to MM 7.5) of Masonary Mortars, N/mm².

FOR GEO ENGINEERING SERVICES, VADODARA

Authorized Signatory

Name: **Abhay Dubey**

Designation: **Reporting In Charge**

NOTE:

1. The Samples have been Submitted by the customer.
2. This Report shall not be Reproduced Except in full, without Approval of the Laboratory.
3. Results given above Refer only to the Samples Submitted for Testing.

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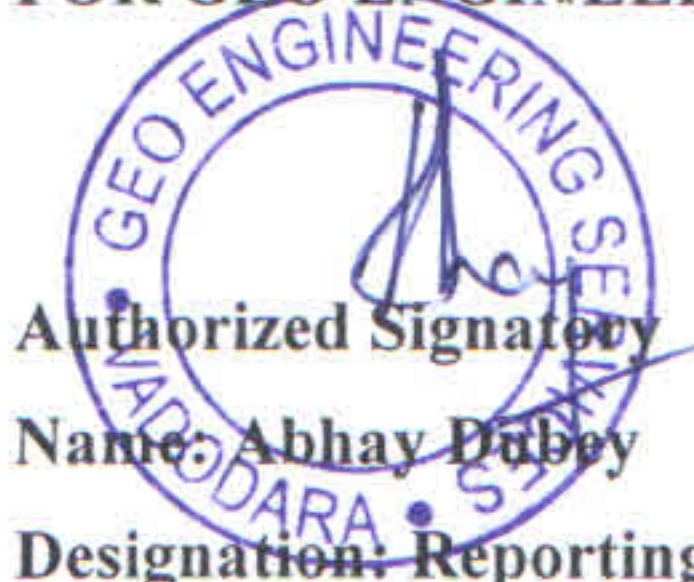
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Other Test:

Sample ID	Efflorescence	Shrinkage %	Surface Cracks Test	Permeability
30% Micronsil-30 C (1:4) Without Curing	Nil	No Shrinkage Observed	No Surface Cracks Observed	Non Permeable (Test duration of 72 hours)

FOR GEO ENGINEERING SERVICES, VADODARA



Authorized Signatory

Name: Abhay Dubey

Designation: Reporting In Charge

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