



Ref:BVIPL:SPL:CL/392(a)/9/2018
Test Order dated: 5.9.2018



Date: 21.9.2018

M/s A.N. Marketing
Plot No. 88 (SF No. 104/2)
Thirupathi Devasthanam Nagar
Vadaperumpakkam
Chennai 600 060

PHYSICAL TEST REPORT ON GYPSUM PLASTER SAMPLE

Source of sample : Sample supplied by the customer
Customer Reference : Letter dated 4.9.2018
UIN : 18031052
Project* : Not furnished
Identification* : Agni Gypsum Plasters
W/P : 0.85
Period of Test : 17.9.2018 to 20.9.2018
Condition of Samples : Satisfactory
Test Method : IS: 2542 (Part 1 and 2) – 1978 (Reaffirmed 2012)

Sl. No.	Test Conducted	Test Results	Requirements as per IS: 2547 (Part 1 and 2) – 1976 (Reaffirmed 2012)
1	Setting Time (minutes)	25	10 – 30
2.	Particle Size Retained (150 microns) (%)	1.8	Residue on 150 microns Sieve Retained Max. 5%
3.	Transverse Strength (kg/cm ²)	15.5	Minimum 5.0
4.	Soundness	Set Plaster does not show any sign of disintegration, popping or pitting	Set plaster pats shall not show any sign of disintegration, popping or pitting
5.	Dry Bulk Density (kg/m ³)	750	Maximum 770
6.	Compressive Strength @ 3 days (N/mm ²)	3.2	Minimum 1.0

* As furnished by the customer.

- Note:**
1. The results relate only to the items tested.
 2. Report shall not be reproduced except in full, without the written approval of the lab.
 3. Any correction invalidates this report.

for **BUREAU VERITAS (INDIA) PRIVATE LIMITED**
Construction Services Laboratory

Signature
25/09/2018
BUREAU VERITAS (INDIA) PVT. LTD.
Construction Services Laboratory

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**BUREAU
VERITAS**

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Test Order dated: 5.9.2018

Date: 21.9.2018

M/s A.N. Marketing
Plot No. 88 (SF No. 104/2)
Thirupathi Devasthanam Nagar
Vadaperumpakkam
Chennai 600 060

CHEMICAL TEST REPORT ON GYPSUM PLASTER SAMPLE

Source of sample : Sample supplied by the customer
Customer Reference : Letter dated 4.9.2018
UIN : 18031052
Project* : Not furnished
Identification* : Agni Gypsum Plasters
Period of Test : 8.9.2018 to 20.9.2018
Condition of Samples : Satisfactory
Test Method : IS: 2547 (Part 1) – 1976 (Reaffirmed 2012),
IS: 1288 – 1982 (Reaffirmed 2011),
IS: 33 – 1992 (Reaffirmed 2002) and
IS: 2333 – 1992 (Reaffirmed 2003)

Sl. No.	Parameter Tested	Test Results	Requirements as per IS : 2547 Part 1 -1976 (RA 2012)			
			β Hemihydrate	Retarded Hemihydrate Gypsum Plaster	Anhydrous Gypsum Plaster	Keene's Plaster
i)	SO ₃ , (% by mass), Min	51.62	35	35	40	47
ii)	CaO, (% by mass), Min	36.12	2/3 of SO ₃ content	2/3 of SO ₃ content	2/3 of SO ₃ content	2/3 of SO ₃ content
iii)	Soluble magnesium salts, expressed as percentage of MgO, Max	0.16	0.3	0.3	0.3	0.3
iv)	Loss of ignition, (% by mass)	5.63	Not greater than 9 and less than 4	Not greater than 9 and less than 4	3.0 Max	2.0 Max
v)	Free Lime, (% by mass), Min	0.05	----	3†	----	----
vi)	Purity as CaSO ₄ , (% by mass), Min	87.77	----	----	----	80
vii)	Purity as CaSO ₄ , ½ H ₂ O, (% by mass)	93.56	--	--	--	--
viii)	Chloride as NaCl	0.006	----	----	----	----
ix)	pH (10% m/m Suspension)	9.62	----	----	----	----
x)	Silica and Acid insoluble, (% by mass)	2.88	----	----	----	----
xi)	Iron as Fe ₂ O ₃ , (% by mass)	0.06	----	----	----	----
xii)	Alumina (% by mass)	0.10	----	----	----	----
xiii)	Free Water (% by mass)	0.60	----	----	----	----
xiv)	Combined Water (% by mass)	5.80	----	----	----	----

†Applicable to metal lathing plaster.

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