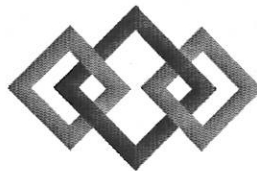


Report on
**PULL OFF TEST ON IDENTIFIED GYPSUM PLASTER SURFACE OF
WALLS OF RESIDENTIAL FLATS UNDER CONSTRUCTION AT
"MY HOME TRIDASA" AT TELLAPUR, HYDERABAD BY MY HOME
GROUP**



Report for
**M/s. PEKETI VENTURES PRIVATE LIMITED,
Ram Villa, 18/2RT, Street Number 5, Prakash Nagar, Begumpet,
Hyderabad, Telangana-500016**

FEBRUARY - 2022



STEDRANT TECHNOCLINIC PRIVATE LIMITED
NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025-2017

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Report on	:	Pull off test on identified Gypsum plastered Surface (Gypsum plaster by GYPSURE GOLD) with Transparent BONDIT of walls of residential flats Under Construction at "My Home Tridasa" at Tellapur, Hyderabad by My Home Infrastructures Pvt Ltd
Report for	:	M/s. Peketi Ventures Pvt Ltd. Ram Villa, 18/2RT, Street Number 5, Prakash Nagar, Begumpet, Hyderabad, Telangana-500016
Reference	:	Verbal Conversation on 11 th February 2022
Date of Test	:	12 th & 14 th February 2022
Test carried out under the guidance of	:	Sri. Sunil V Sonnad Senior Director (NDT- Restoration & Rehabilitation) M/s STEDRANT Technoclinic Pvt. Ltd. Bangalore
Test carried out by	:	Mr. Bhargav Vikas PVS Engineer Mr. Naresh P Testing Assistant M/s STEDRANT Technoclinic Pvt. Ltd. Hyderabad
Test carried out in the presence of	:	Mr. A. Harish QA/QC Engineer M/s. My Home Infrastructures Pvt Ltd. Hyderabad. Mr. K. Santosh Chary M/s. CQRA Hyderabad. Mr. Vamshi Engineer M/S. Peketi Ventures Pvt Ltd.
Date of submission of report	:	15 th February 2022
No. of Pages	:	06

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A. INTRODUCTION

The construction of Residential flats at “My Home Tridasa” at Tellapur, Hyderabad by My Home Infrastructures Pvt Ltd. is under progress.

As a part of quality check, it is proposed to carry out Dyna pull-off test on gypsum plastered surface (Gypsum plaster by GYPSURE GOLD) on Concrete walls at identified 3 different locations to check its bond strength. Hence, the concerned authorities at site desired to verify the bond strength / adhesion strength of gypsum plastered surface on walls of identified 3 different locations. In view of this, a reference was made to M/s STEDRANT Technoclinic Pvt. Ltd., by M/s Peketi Ventures Pvt Ltd to carry out the appropriate test to ascertain the bond strength of gypsum plaster. In response to this, Dyna Pull Off test was carried out by us at the identified regions of wall in order to assess the bond/adhesion strength of plaster. This report, in brief, summarizes the outcome of the test carried out and conclusion there on.

B. DETAILS OF TEST

Dyna Pull-Off tester

In order to verify/assess the bond /adhesion strength of gypsum plaster, Pull Off test was carried out using Dyna Pull-Off tester from M/s. Proceq, Switzerland.

The identified region of gypsum plaster was separated from the surrounding area using core cutting equipment, to achieve defined circular surface. The test disc/dolly of the pull off test was fixed / glued to the plastering using quick setting adhesive and the same was pulled off after completion of setting time. The failure load was recorded for further interpretation. The test has been carried out at three identified gypsum plastered locations of wall.

The results are furnished in *Table*.

C. CONCLUSIONS AND RESULTS OF DYNA PULL-OFF TEST:

The bond/adhesion strength of gypsum plaster (Gypsum plaster by GYPSURE GOLD) on Concrete walls in the range of 0.40 N/mm² to 0.60 N/mm² from three test locations (the minimum permissible tensile strength of 0.14 N/mm² as per IS 1905, cl.5.4.2)

For STEDRANT Technoclinic Pvt. Ltd.,

TABLE
RESULTS OF PULL OFF TEST

Project : Pull off test on identified gypsum plastered surface of walls at "My Home Tridasa" at Tellapur, Hyderabad by My Home Infrastructures Pvt Ltd.

Members Tested : Identified regions of wall gypsum plasters
(Gypsum plaster by GYPSURE GOLD
Tower-5, Ground Floor, Flat No.01, MBR, Westside wall.

Test Instrument : Dyna Z Pull Off Tester

Make : M/s. Proceq, Switzerland

Type of adhesive used for test dolly : Araldite - Klear (Superfast)

Technical reference : EN 1542

SL. No.	Building/ Floor / Tested member*	Thickness of gypsum plaster (mm)	Maximum Force Applied (kN)	Adhesion/ Bond Strength (N/mm ²)	Remarks
Gypsum plaster by GYPSURE GOLD					
1.	Sample - 1 Tower-5, Ground Floor, Flat no: 01, West Side Wall	05	0.720	0.40	Failure b/w Concrete wall & gypsum plaster
2.	Sample - 2 Tower-5, Ground Floor, Flat no: 01, West Side Wall	04	0.795	0.40	Failure b/w Concrete wall & gypsum plaster
3.	Sample - 3 Tower-5, Ground Floor, Flat no: 01, West Side Wall	04	1.185	0.60	Failure in b/w gypsum plaster

*As furnished by the customer.
