



ADHERE BONDS
The Versatile Construction Chemicals



"ADHERE BONDS" – Fine Gypsum Plaster one of the world's best in India that replaces cement, sand, curing process and putty works completely when it comes to interior plastering. It can be applied readily and gives an absolutely mirror finish.

Advantages:

1. ADHERE BONDS Gypsum is a ready plaster, only water has to be mixed
2. It is a single Application plaster with smooth finish and after drying for about 3- 4 days, the surface can be directly painted.
3. Excellent bonding and compatible with all type of paints.
4. No cracks will occur after application of Adhere Bonds Gypsum and it is excellent for repair works.
5. Low density – light weight & total Strength on drying decreases the building weight as it can be applied in 3mm to 30mm thickness.

Products:

ADHERE BONDS Gypsum:

It can be applied directly over any brick work, concrete surface, siporex blocks and AAC.

Physical Properties:

Whiteness	99% White
Sieve analysis	200 Mesh, < 2% residue
Setting Time (Initial)	12 - 15 Min
Setting Time (Final)	25 - 30 Min
Bending Strength (Dry)	50 Kg /sq cm
Compressive Strength	170 Kg/ sqcm or 16.5 N/mm ²
Surface Smoothness	Very Smooth
Workability	Easier
Surface Application	Direct on any surface

Coverage chart

Thickness	Coverage per bag -25 kg
6 mm	36 Sq ft
8 mm	27 Sq ft
10 mm	20 Sq ft
12 mm	18 Sq ft
15 mm	15 Sq ft
20 mm	10 Sq ft

Application Procedure :

Surface Preparation

1. Mark the buttons on the surface to be plastered with a minimum thickness of 2 - 3 mm at the zero point of the wall using ADHERE BONDS GYPSUM. Keeping the plum level and the right angle in mind, fix the other buttons accordingly.
2. These buttons have to be at a distance of about 4 feet from each other horizontally and at 2 feet above the floor level and 2ft below from ceiling level vertically.
3. Now join these button marks vertically with an aluminium straight edge using ADHERE BONDS GYPSUM PLASTER.
4. Pre wet the wall half an hour before applying gypsum. This would remove dust from the wall and also prevent water absorption from the gypsum plaster during Punning. This also is a very important practice to prevent shrinkage cracks.
5. The external plastering has to be completed before starting the internal Punning.

Note:

Whilst any information and / or specification contained herein is to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendation or suggestions made by us, our representatives, agents or distributors as the conditions of use of any labour involved are beyond our control.

Punning Process:

Wall Application

1. Once ADHERE BONDS GYPSUM is mixed with water, it has a fevering time of about 10 min where in the temperature of the mixture rises due to chemical reaction and the paste slowly starts setting, it is just by then the applicator can start applying gypsum paste using a trowel. It is applied between the two vertical lines that are about 4 feet away.
2. The straight edge can be used to level the plaster keeping the two vertical lines as reference points.
3. Finally a thin paste is made using ADHERE BONDS GYPSUM and water in the ratio of 1 : 2 and this thin paste is used with a trowel to get the extra smooth putty finish.
4. One can do anywhere from 3 mm – 30 mm of Punning at one shot. In case of higher thickness we have to go for multiple coats of 30 mm with a gap of 24 - 48 hours between each coat depending on the dryness of the plaster.
5. Leave the wall as it is for about a week as it dry's by itself and doesn't need curing. The wall is ready for painting.

Surface Preparation for Ceiling - BOND IT (Bonding Agent)

Stir well BONDIT before applying.

Use stiff brush to apply, allow to dry for 24hrs Gypsum should be applied perfectly before 96 hrs.

ADHERE BONDS GYPSUM – Physical Analysis

Test Method : IS: 2542 (Part 1 and 2) – 1978 (Reaffirmed 2012)

Sl. No.	Test Conducted	Test Results
1	Dry Bulk Density (kg/m ³) Loose Rodded	742 832
2	Setting time (minutes)	30
3	Compressive Strength @ 3 day (N/mm ²)	2.93
4	Residue on 300 micron sieve	Nil

Packaging:

Adhere Bonds Gypsum is packed in 25 Kg HDPE double glazed bags Adhere Bond IT supplied as 10 & 20 kg.

Shelf Life :

ADHERE BONDS GYPSUM bags carry a shelf life of 06 months if not tampered. There is no guarantee if the bags are left open.

Adhere Bonds
Coats Pvt Ltd

