

## TECHNICAL DATASHEET

# GYPBOND

Gypsum Bonding Agent



## INDEX

RECOMMENDED APPLICATIONS	02
TECHNICAL PROPERTIES	02
KEY FEATURES	02
COVERAGE	02
SURFACE PREPARATION	03
SAFETY GUIDELINES	03
COMPARISON	03
PRECAUTIONS	03
APPLICATION	03
STORAGE	04
PACKAGING	04
SHELF LIFE	04

## PRODUCT INTRODUCTION

GYPBOND is a light green colored liquid, ready to use with high build bonding agent for adhering gypsum plaster and portland cement mixture on varied surfaces.

## KEY FEATURES

1. It eliminates the need for hacking and provides mechanical & chemical bonding.
2. It increases adhesion strength of plaster or concrete mortar on varied substrates by reducing the working time and increasing workability of plaster.
3. Eliminates the risk of plaster de-bonding.
4. It contains uniformly distributed fine aggregate, which assists in bonding gypsum plaster or pre mixed mortar.
5. Gypsum plaster can be applied after 24 hours.
6. It is non-flammable and doesn't contain volatile organic solvents.
7. It is non-reactive to plaster/cement/brick alkalinity.
8. May be applied to either damp or dry surface.
9. Material is non-hazardous and green building product.

## RECOMMENDED APPLICATIONS

1. Suitable for interior and exterior.
2. Use to bond variety of RCC, AAC walls & gypsum materials like new concrete, mortar, stucco, plaster, dry wall, gypsum board, etc.

## TECHNICAL PROPERTIES

Density at 27 °C	1.20 - 1.25 Kg/L
pH	7 - 8
Frost resistance	Protect from freezing
Appearance / Color	Liquid in viscous form, Light green in color
Touch Dry time	1 Hour
Adhesion	Excellent, mechanical + chemical (Adhesion strength is increased 2-3 times by using Gypbond)

## COVERAGE

Type of surface	Porosity	Approximate coverage in ft <sup>2</sup> / 1 Kg
RCC surface	Low	30 - 40
AAC / Wall	High	20 - 25

## APPLICATION METHODS:

### 1. Surface Preparation

Remove dust, rust, laitance, dirt, oil, grease, wax, forming agents, curing compounds which may affect proper bonding. Apply a small test patch and allow it to dry thoroughly to check for peeling or curling.

### 2. Cleanup

Wash the tools immediately with clean water.

### 3. Application

Stir Gypbond thoroughly before using it. Do not dilute it. Apply it by roller or brush, to create a thin (0.25 to 0.45 mm) film. Leave it to dry for at least 24 hours. Then you can apply Gypsum Plaster in next 10 days.

## PRECAUTIONS WHILE IN USE:

1. Use all the contents of container in one go otherwise they will start becoming hard when comes in contact with air.
2. For best results, mix the contents thoroughly, covering bottom of container first during application.

## SAFETY GUIDELINES:

1. Use protective gears while using Gypbond.
2. If it comes in contact with eyes, immediately wash your eyes with water and seek medical advice.
3. Use of goggles, dust mask and gloves are recommended to protect your eyes, skin and mouth while in use.

## COMPARISON

Description	Traditional method	Gypbond
Hacking	Manual – pointed hammer – Grinder Machine	By brush or roller
Application	Lengthy and costly	Easy and cost effective
Bonding / Gripping	Only mechanical grip	Mechanical & chemical grip
Rebounding Mortar/Plaster	High	Very low

#### 4. Storage

Store it at area which is free from heat, direct sunlight and where temperature is maintained between 5°C to 35°C.

#### 5. Packaging

It is available in 5 Kg and 20 Kg packing, in plastic bucket with sealed cap.

#### 6. Shelf Life

6 months from the date of production if stored in original, unopened packaging and in places protected from moisture, sun exposure and frost.

#### DISCLAIMER:

*While the technical details & recommendations contained in this document and the related details given by the representatives of the company correspond to the best of our knowledge & experience, all the above information must in any case be considered as merely indicative and subject to confirmation. Users are recommended to conduct a product suitability test before it is used at full scale. In any case, the consumer alone is entirely liable for any consequences resulting from using the product. For the most up-to-date TDS, please visit our website at [www.ascolite.in](http://www.ascolite.in). Our company policy is one of ongoing R&D; therefore, we reserve the right to update this information without prior notice at any time. As the correct identification of the problems, the quality of other materials used, on-site environmental conditions and the workmanship on-site are factors beyond our control, there is no express or implied guarantee/warranty as to the results achieved. The company assumes no liability or consequential damage arising from the use of our products for unsatisfactory results. Site visits are not a supervisory responsibility wherever provided. Suggestions made either verbally or in writing by the company may be followed, modified or rejected by the owner, engineer or contractor, since they are solely responsible for carrying out procedures appropriate to a specific application.*