

# TILEBOND

POLYMER MODIFIED TILE & STONE ADHESIVE

# GECO®

## GECO TILEBOND

GECO TILEBOND is a polymer-modified cementitious adhesive suitable for fixing tiles and natural stones of regular sizes.

It's advanced polymers deliver excellent adhesion, and its self-curing properties doesn't leave any air pockets resulting in stronger anchoring of tiles & stones.

### Features



**SELF  
CURING**



**EXCELLENT  
ADHESION**



**SAVES  
TIME & COST**



**WATER-  
RESISTANT**

### Areas of Application

GECO TILEBOND can be used:

- for fixing vitrified tiles and natural stones of regular sizes
- on floors in internal areas, including wet areas like bathrooms and showers

### Standard Compliance

Conforms to IS 15477:2004 Type 1

### Working Properties

Appearance	Cement grey powder
Mixing Ratio	1 (Water) : 3 (TILEBOND)
Bed Thickness	2 to 6 mm
Pot Life	1 hour*
Open Time	40 mins.*
Adjustability	45 mins.*
Foot traffic/ grouting	After 24 hours
Coverage	3.5 sq.ft./kg at 3 mm bed thickness*

\*Pot life, open time, adjustability & coverage will vary depending on service and surface conditions.



- **IDEAL FOR FIXING VITRIFIED TILES AND NATURAL STONES OF REGULAR SIZES**
- **CAN BE USED ON FLOORS IN INTERNAL AREAS**



## Technical Properties

Property	TILEBOND	Requirement as per IS 15477:2004 Type 1
<b>Tensile Adhesion Strength</b>		
Dry Condition	> 1200 N	750 N
Wet Condition	> 600 N	450 N
<b>Shear Adhesion Strength</b>		
Dry Condition @ 24 hours	> 4 kN	> 2.5 kN
Dry Condition @ 14 days	> 10 kN	> 8 kN
Wet Condition	> 5 kN	> 4 kN
Heat Aging Condition	> 5 kN	> 4 kN
<b>Setting Time</b>		
Initial Setting Time	3 to 4 hours*	
Final Setting Time	5 to 6 hours*	

\*Setting time will vary depending on the service conditions such as surface temperature, humidity and wind.

## Application Procedure

### Surface Preparation

1. Ensure the substrate is properly cured, is flat without any undulations and has normal absorption.
2. Correct the undulations/damages on the substrate at least 48 hours before the application of TILEBOND.
3. Clean the substrate of dust, wax and any bond inhibiting compound.

### Mixing

1. Gradually add TILEBOND to water as per the prescribed mixing ratio and mix until a workable paste is obtained. The total quantity of water may be slightly adjusted to achieve the required consistency.
2. After mixing, allow the paste to stand for 2 minutes for it to mature.

### Fixing

1. Apply the mix on the substrate using the straight edge of the notched trowel and comb the applied adhesive using the notched side of the trowel to achieve the desired thickness.
2. Place the tiles firmly on the adhesive bed with a twisting motion, ensuring good initial bonding and eliminating the possibility of any air voids.
3. Tiles/stones should be fixed within 15 minutes of adhesive being applied.
4. To achieve a uniform thickness, at least 3 mm bed is needed for thin-bed application.
5. While fixing ceramic tiles, uniform minimum spacing of at least 2 mm should be left around each tile for effective grouting.
6. Clean off surplus adhesive from the tile face and between joints.
7. Joint grouting can commence after 24 hours with GECO JOINTFILL.

## Cautions

- Do not use for large format tiles.
- Always add powder to water & never water to powder.
- Do not attempt to increase pot life by adding water.
- Do not add sand & cement at side.
- Strictly not recommended for tiling on gypsum plaster, paint, wood and metal.

## Packaging

GECO TILEBOND is available in 5 and 20 kg packaging.

## Shelf Life & Storage

Shelf life is 12 months from the date of manufacturing, if stored in unopened and original packaging. Store in dry place away from direct sunlight.

Disclaimer: The product information and applications details given in this data sheet is meant to serve as a general guideline only. Users are advised to undertake a trial for product suitability prior to full-scale usage. There is no express or implied guaranty/warranty for the results. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.