

## PRODUCT DATA SHEET

PRI150

EN 12004 STANDARD C1TF



### Tile Adhesive - Single Pack Adhesive

**PRI BOND'S PRI150** is a Silica Sand based tile adhesive that has excellent results for high resistance laying of ceramic tiles on floor, walls on cement-based substrates. It is workable up to 10 mm thickness and the formulation ensures optimum - performance for tile setters. It is absolutely reliable and has its base in superiority of its conception.

### Application

Designed for ceramic floors, wall and interior applications. Single pack adhesive.

### Advantages

- One pack adhesive, just add water.
- Frost free.
- Water resistant.
- Long open time.
- Proven Performance.

### Substrate

- Concrete.
- Cement Terrazzo.
- Brick Masonry.
- Old Ceramics floors.
- Cement Plaster.

### Surface Preparation

All Surfaces should be clean and free from oil, grease and all darts. Dry dusty concrete slabs or masonry should be dampened and excess Water swept off. Be ensure for that the base is sufficiently flat to permit the specified flatness of finished tiling, bearing in mind the permissible minimum and maximum thickness of the bedding material.

### Mixing

Add PRI150 adhesive to clean water and mix it until a homogeneous lump - free mixture which obtain. Recommended water to adhesive is 25 % to 28 %. Avoid less or excess water. Advisable to use slow speed blander.

### Caution

Do not add lime or cement to the product. Wear a respirator in dusty areas. Avoid breathing dust. Keep out of reach of children. Avoid contact with eyes and skin, In case of contact wash with plenty of water. During cold weather or in a high humidity, protect finished work from traffic until fully cured.

### Application

Spread the mix on to the substrates, using the smooth part of the trowel to create a layer of about 3-6 mm thickness. Immediately after worlds comb using the notchedpart of the trowel. The trowel notched size of the trowel must be chosen according tothe size of the tiles. In any case it must assure 65 to 70 % coverage of the back of thetiles for interior installation and 100 % for exterior installation or floors subject tointense traffic. In exterior installation of floors subjects to high stress it is advisable toapply the adhesive additionally to the back of the tile. (Back buttering method) Give aslight twisting action.

- Do not attempt to extend the pot life by adding water.
- Allow the paste to be mature for 5 - 10 minutes after mixing.
- Saturate the surface well and remove excess water before application



## Laying the Tiles

Place the tiles on the spread adhesive and press firmly to assure good contact. The product's open time in normal condition of temperature and humidity is 20 minutes. However this may be reduced to just a few minutes in very hot or windy weather. Tiles must be laid with grout joints of adequate width for their size. Butt joining (tiles touching) is not recommending. Take account of movement or control joints during installation. Leave space at least 5mm next to walls or vertical elements. The tile surface must be protected for at least 24 Hours from water and for about 5-7 days from frost and direct sun light.

## Grouting

- Joint between tiles can be grouted after 08 hrs. in the case of wall tiles or 24 hrs., in the case of floor tiles.
- Grouting can be carried out using PRIBOND CEMENTITIOUS grouts and PRiEPOXY two parts epoxy grout.
- Do not set tile when surface temperature is below 05°C or when substrate is frozen.
- **Cold Weather Note:** The setting of Portland cement adhesives and grouts are retarded by low temperatures. Protect finished work for an extended period when installing in cold weather.
- **Hot Weather Note:** The evaporation of moisture in Portland cement adhesives and grouts is accelerated by hot dry conditions. Apply to dampened surfaces and protect freshly spread adhesives and finished work when installing in temperature over 35 ° C.
- PRIBOND and PRiEPOXY grouts require routine cleaning with a neutral PH soap and water. Minimum after 28 days of installation

## Coverage

Approximately 30-35Sq.ft for 20 Kg. bag.

Square notch trowel for a bed thickness of 5mm.

**Packing:** 20 Kg Bag. Grey colour

**Shelf Life &Storage:** 12 months with original packing in dry storage condition.

## Technical Properties

According to Standard : IS 15477 : 2004

TEST	Test Method	Result
Tensile Adhesive Strength 14 Day Dry	IS 15477: 2004 0.750 KN Minimum	01.240 KN
Tensile Adhesive Strength 7 Day +7 Day Wet	IS 15477 : 2004 0.450 KN Minimum	00.800 KN
Shear Adhesive Strength 14 Day Dry.	IS 15477 : 2004 08:00 KN Minimum	09.90 KN
Shear Adhesive Strength 7 Day + 7 Day Wet	IS 15477 : 2004 04:00 KN Minimum	06.90 KN
Shear Adhesive Strength 7 Day + 7 Day Heat	IS 15477: 2004 04:00 KN Minimum	05.50 KN
Compressive strength	IS 4456(1):1967	34.00 KN 13.60 mm <sup>2</sup>
Water Mixing ratio.		28% to 30%
Pot Life.		≥ 5 Hrs.
Density Wt / Vol. (Gm/Cm <sup>3</sup> )		01.70
Open Time		≥ 20 minutes.
Adjustability	IS 15477:2004	≥ 35 minutes.

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