

## HI-Bond T-10

### Description

**H**appilac Hi-Bond T-10 is a grey cementitious powder formulated as a high performance water resistant dry set fixing adhesive. It is made for bonding of most types of both porous and non-porous ceramic tiles, porcelain, mosaic, natural tone, marble and granite for walls and floor applications. The joint must be grouted with HI- Grout G-100.

### Recommended For

**H**appilac HI-Bond T-10 is suitable for use on interior and exterior walls ranging from residential to heavy commercial and industrial applications. It can be used for both wall and floor applications.

### Features

- Excellent application properties
- High bond strength
- Slump free consistency, no sag
- Long open time
- Suitable for both wall and floor application
- Suitable for both interior and exterior
- Suitable for tropical and hot climate conditions

### Limitations

- Don't exceed the tile bond/water ratio
- Keep the product away from moisture and dampness

### Technical Details

Hi-Bond T-10 is a blend of Portland cement, graded sand and organic polymer along with special additive to improve consistency, adhesion and workability.

<b>Appearance</b>	:	Grey powder
<b>Bulk density 0.10kg/l(dry)</b>	:	1.5kg/liter
<b>Bulk density 0.10kg/l(wet)</b>	:	1.8kg/liter
<b>Open time</b>	:	20 minutes at 25°C
<b>Pot life</b>	:	2 hours at 25°C
<b>Shear strength (14 days)</b>	:	1.7MPa
<b>Tensile strength (28 days)</b>	:	1.8 MPa
<b>Available packs</b>	:	20kg, 5kg

### Surface Preparation

The substrate should be free from dust, grease, wax, oil, dirt loose plaster, mould, release agent, cutting compound, paint and all other friable materials and compounds likely to bond the adhesive bonding. All substrate should be securely fastened and properly supported to eliminate any movement which may cause cracking.

### Application Guide

Apply Hi-Bond T-10 evenly with a 6mm×6mm notched trowel for tile up to 150 × 150mm and for larger tiles use a 12×12mm notched trowel. Lay the tiles with good pressure, twisting to ensure good contact with adhesive. In more demanding exterior situations or if tiles with high ribs or lugs or being used , it is preferable to spread the back of the tiles with a thin layer of adhesive in addition to the adhesive being troweled onto the substrate, before laying. For wall tiling, a minimum final bed thickness of 2mm is recommended, whilst for floor tiling a minimum final bed thickness of 3mm is recommended.

Don't spread more than 1 m<sup>2</sup> of adhesive at any one time as skinning may occur affecting final adhesion. Press tiles onto the adhesive before it skins and ensure that the tiles are fully supported with the adhesive with no voids. Occasionally, in order to ensure that full coverage is being maintained, a tile should be removed, the adhesive coverage noted and the tile is re-laid accordingly, once the tiles have been laid, they must not be trafficked upon or disturbed for a minimum of 24 hours at 20°C.

#### Mixing:

1. Add 4.8 to 5.5 liters of clean water to a bucket.
2. Sprinkle Hi-Bond T-10 slowly into the water, mixing constantly until a tack paste consistency is achieved with no lumps.
3. Allow standing for 5 to 10 minutes and remix and then the adhesive is ready to use. Do not aerate the mix by stirring over vigorously or for too long. The mixture should be stiff enough to keep the shape when spread with a notched trowel.

### Available Packs and Storage

The product is supplied in powder and/granule form packed in approx. 20kg, 5kg plastic sacks. The product must be stored in a cool dry and well ventilated place away from source of heat and ignition. Keep the sack closed and handle with care.

### Health and Safety Notes

- When applying, wear appropriate eye protection.
- In case of eye contact with product, rinse with plenty of water for at least 10 minutes.
- Don't breathe spray mist or dust.
- Ensure proper ventilation when applying.
- If swallowed, it may cause serious damage.
- When empty, don't use its sack for edible storage.
- Keep out of reach of the children.
- Pregnant women are advised to avoid breathing of paint mist or spray.
- In case of any emergency, undergo medical supervision as soon as possible.

**CAUTION:** Scraping/sanding off previously painted surfaces may release lead dust or fumes. Lead is highly toxic; take protective measures thoroughly when rubbing off the old surfaces.