



Hi-Bond

T-10

Description

Happilac Hi-Bond T-10 is a grey cementitious powder formulated as a high performance, water resistant dry set tile fixing adhesive. It is made for bonding of most types of both porous and non porous ceramic tiles, porcelain, mosaic, natural stone, marble and granite for walls and floor applications. For better results, tile joints must be grouted with Hi-Grout G-100.

RECOMMENDED USE

Happilac Hi-Bond T-10 can be used for small as well as large format tiles, vitrified and synthetic stone tiles, swimming and bathroom tiles etc.

FEATURES

- Excellent application properties
- High bond strength
- Slump free consistency, no sagging
- Long open time
- Exterior & interior application
- Single component ready to use
- Suitable for tropical & hot climate conditions

TECHNICAL & APPLICATION DATA

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

Appearance	Grey Powder	Tensile Strength (28 days)	1.8 MPa
Bulk Density (Dry)	1.5 kg/liter	Packing	20 and 40 kg
Bulk Density (Wet)	1.8 kg/liter	Shelf Life	3 Months under recommended storage conditions
Open Time	20 mins at 25°C		
Pot Life	2 hours at 25°C	Coverage	Normally 5m ² tile of ~ 2-3 mm thickness with 40 kg bag
Shear Strength (14 days)	1.7 MPa		

SURFACE PREPARATION

The substrate should be free from dust, grease, wax, oil, dirt, loose plaster, mould releasing agent, cutting compound, paint and all other friable materials and compounds likely to bond with the product. 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 6x6mm notched trowel for tile up to 150x150mm and for larger tiles use a 12x12mm notched trowel. Lay the tiles with good pressure, twisting to ensure good contact with adhesive. In more demanding exterior situations if tiles with high ribs or lugs are 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.

Do not spread more than 1m² of adhesive at a 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 void spaces. Occasionally, in order to ensure that full coverage is being maintained, a tile should be removed, the adhesive coverage noted and the tile relaid accordingly.

Once the tiles have been laid, they must not be trafficked upon or disturbed for a minimum of 24 hours at 25°C.

Old surfaces must be made uneven to have a better adhesion with the tile adhesive before placing new tiles on it.

MIXING

- Add 4 to 5 liters of clean water to a bucket for 20 kg material
- Sprinkle Hi-Bond T-10 slowly into water, mixing constantly until a tack paste consistency is achieved with no lumps
- Allow standing for 5 to 10 minutes and remix, then the adhesive is ready-to-use. Do not aerate the mixture 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 form, packaged in approximately 20 and 40 kg packing
- The product must be stored in dry, moisture free, well ventilated and waterproof place
- Keep the sack closed and handle with care

HEALTH & SAFETY

- When applying, use appropriate eye protection
- In case of eye contact with product, rinse with plenty of water for at least 10 minutes
- Do not breathe spray mist or dust
- Ensure proper ventilation when applying
- If swallowed, serious damage may be caused
- When empty, do not use the sack for edible storage
- Place out of reach of children
- In case of any emergency, seek medical attention as soon as possible

WARNING: Scraping/sanding off previously painted surfaces may release hazardous dust or fumes which are highly toxic. Take protective measures thoroughly when rubbing off the old surfaces.

The information provided in this data sheet is accurate and authentic to the best of our knowledge and based on standard tests. However, results may vary due to possible variations in field conditions and application procedures.