



HAPPILAC WHITE BOND W-10

High Performance Polymer Modified White Cementitious Tile & Marble Adhesive.

Happilac White Bond W-10 is a superior quality white cementitious powder formulated as a high performance water resistant dry set tile fixing adhesive. Strong adhesion and useable as for ornamental purposes, makes it superior from all other brands. It is a specially formulated white cementitious tile adhesive with extended open time and no vertical slip. By using Happilac White Bond W-10 no additional grouting is necessary for tile joints.

Recommended For

Happilac White Bond W-10 have all the characteristics which makes it suitable for use on interior and exterior surfaces ranging from residential to heavy commercial and industrial applications. It can be used for both wall and floor applications. It is made for bonding of most types of both porous and non porous ceramic tiles, porcelain, mosaic, natural stone, marble and granite tiles etc. It also posses the unique advantage that, after application, no discoloration of tiles or marble occurs.

Features

- Ornamental benefits
- No vertical slip
- Suitable for both wall and floor application
- Suitable for interior and exterior
- Suitable for use in water contact area or surface
- Excellent adhesion with no shrinkage
- Suitable for tropical & hot climate conditions
- Ready to use,
- Quick tiling benefits for contractors & consumers in terms of time saving
- Sufficiently flexible to accommodate thermal & physical movements
- Slump free consistency, no sagging
- Crack free, breakage free & firm surface that preserves beauty of tiling for longer time

Technical Details

Appearance	Pale White Powder
Bulk Density (dry)	1.4 kg/liter
Bulk Density (wet)	1.6 kg/liter
Open Time	20 minutes at 25°C
Pot Life	60 minutes at 25°C
Adjust-ability	10 minutes at 25°C
Shear Strength (14 days)	1.12 MPa
Tensile Strength (28 days)	1.20 MPa
Available Packing	20kg
Coverage	Normally 2-3 m ² tile of ~ 2-3 mm thickness with 20 kg bag



Surface Preparation

The surface 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 with the adhesive. All substrate should be securely fastened and properly supported to eliminate any movement which may cause cracking.

Application

Apply Happilac White Bond W-10 evenly with a 6x6mm notched trowel for tile up to 150 x 150mm 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 or if tiles with high ribs or lugs are being used, back buttering is preferred on 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 3 mm is recommended, whilst for floor tiling a minimum final bed thickness of 5 mm is recommended.

Don't spread more than 0.5 m² of adhesive at 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. Once the tiles have been laid, they must not be trafficked upon or disturbed for a minimum of 24 hours at 25°C.

Mixing

1. Add 4.5 to 5.5 liters of clean water to a bucket for a 20 kg material.
2. Sprinkle the adhesive 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 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.

As a grout:

Push it firmly into joints; remove excess grout immediately with a damp cloth or sponge.

Finish joints after 10 minutes by smoothing with a wet towel or cloth. Polish tiles when grout is dry (after approx 1 hour). DO NOT WET GROUT FOR AT LEAST 48 HOURS.

Available Packs and Storage

The product is supplied in powder form packed in 20kg 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, take appropriate protective eyewear
- Don't inhale the spray mist or dust
- Swallowing may cause serious damage.
- Keep out of the reach of children
- In case of any emergency, undergo medical supervision as soon as possible
- In case the product comes in contact with the eye, rinse with plenty of water for at least 10 minutes
- Ensure proper ventilation when applying
- Don't use empty sacks for edible storage
- In case of any emergency, undergo medical supervision as soon as possible

CAUTION: Scrapping/sanding off previously cemented surfaces may release 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.

