

HAPPILAC TILE BOND PLUS C2TE

High Performance Cementitious Tile Adhesive for Large Tiles (Upto 10 mm Thickness)

Happilac Tile Bond Plus C2TE is a grey cementitious powder formulated as a high-performance, water-resistant and dry-set tile fixing adhesive, specially designed as per international standards. It is ideal for bonding of most types of both porous and non porous tiles, marble and granite. It is classified as C2TE, which provides superior bond strength, extended open time and slip resistance. It can be applied up to 15 mm thickness.

Recommended For

Happilac Tile Bond Plus C2TE specially designed for large-format tiles, vitrified synthetic stone tiles, swimming pool and bathroom tiles as it provides very good adhesion to most common substrates (concrete, cementitious mortar, stone, bricks, existing tiles etc.)

Features



Excellent application properties



High bond strength



Slump free consistency & no sagging



Exterior & interior application



Long open time



Suitable for tropical & hot climate conditions



Single component ready to use



Technical Details

Appearance	Grey powder
Bulk density (dry)	1.6 kg/liter
Pot life	4 hours at 25°C
Open time	30 minutes at 25°C
Tensile strength (28 days)	> 1.0 N/mm ²
Tensile strength after water immersion	> 1.0 N/mm ²
Available Packaging	20 kg
Shelf life	6 Months under recommended storage conditions
Coverage	1.8 meter tile can be applied by keeping 10 mm thickness by using a 20 kg bag

Technical Data Sheet

Surface Preparation

The surface should be free from dust, grease, wax, oil, dirt, loose plaster, mold, releasing agents, cutting compounds, paint and any other friable materials along with substance that may interfere with the

adhesive bonding. All the substrates should be securely fastened and properly supported to prevent any movement which may cause cracking.



Application Guide

Apply Happilac Tile Bond Plus C2TE evenly with a 6 x 6 mm notched trowel for tile up to 150 x 150 mm and for larger tiles use a 12 x 12 mm notched trowel. Lay down the tiles with good pressure while twisting to ensure good contact with the adhesive. In more demanding exterior situations or if tiles with high ribs or lugs are being used, back buttering is recommended. Apply a thin layer of the adhesive on the back of the tile in addition to the adhesive already being troweled onto the substrate, before laying down the tiles.

Don't spread more than 1 m² of adhesive at any given time as skinning may occur that might

affect the final adhesion. Press the tiles onto the adhesive before it skins and ensure that the tiles are fully supported with the adhesive without voids. Occasionally, in order to ensure that full coverage is being maintained, a tile should be removed, the adhesive coverage should be checked and the tiles can be re-laid accordingly. Once the tiles have been laid down, 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 the new tiles on them.

Mixing

- Add 5.5 to 6.5 litres of clean water into a bucket for 20 kg material.
- Add Happilac Tile Bond Plus C2TE slowly into water while continuously mixing until a smooth, lump-free, tacky paste is achieved.
- Let the mixture stand for 5 to 10 minutes before re-mixing as the adhesive is ready now to use.
- Do not aerate the mixture by over stirring. 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 a powdered form, packed in 20 kg bag.
- The product must be stored in a dry, moisture-free, well ventilated and waterproof place.
- Keep the bag closed and handle it with care.

Health and Safety Notes

- When applying, wear appropriate protective eyewear.
- In case the product comes in contact with the eye, rinse with plenty of water for at least 10 minutes.
- Don't inhale the spray mist or dust.
- Ensure proper ventilation when applying the product.
- Swallowing may cause serious harm to health.
- Don't use empty sacks for edible storage.
- Keep out of the reach of children.
- In case of any emergency, seek medical attention immediately.

CAUTION: Scrapping/sanding previously cemented surfaces may release dust or fumes which are highly toxic; take protective measures thoroughly when rubbing 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.



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