



# PACTOTile HPA

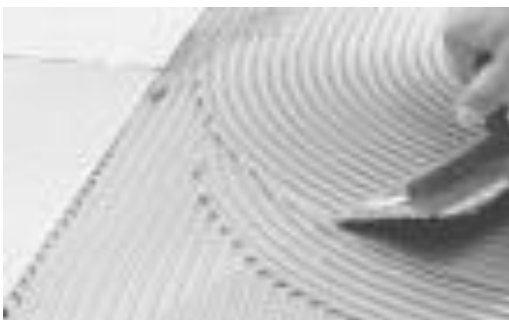
Waterproof Tile Mortar / Highly Polymer Modified Adhesive

## DESCRIPTION

PACTOTile HPA is a dry pre mix, waterproof, cement based thin bed adhesive for the fixing ceramic tiles on walls and floors.

## TYPICAL USES

PACTOTile HPA is a thin bed cement based mortar suitable for fixing vitrified tiles, glass mosaic, glass blocks and ceramic wall and floor tiles onto backgrounds such as; Portland cement based renders, floor screeds, concrete and gypsum boards. PACTOTile HPA should not be applied onto wood, metal sheets or painted surfaces.



## SPECIFICATION

ANSI A 118.4, BSEN 12004, DIN 18156

## TYPICAL PROPERTIES

PROPERTY	VALUE
Composition	Portland cement, graded sand, polymer and chemical additives.
Binder	Portland cement
Aggregate size	0-0.6 mm
Appearance	Granular powder, Grey & White colours
Mixing Ratio	5.5 ltrs. - 6.25 ltrs. of water per 25 kg.
Approx. Yield & Coverage	18 ltrs per 25 kg 7.5 m <sup>2</sup> per 25 kg at 3 mm thickness
Density	Wet: 1.80 kg./ltr. Dry: 1.7 kg./ltr.
Shear Strength, ANSI 118.4	7d SC : > 300 psi(2.07 Mpa) 7d SC+ 7 d water immersion: >200 psi (1.38 Mpa)
Working time	Approx. 45 minutes
Packaging	25 kg bag

\* Typical results under laboratory conditions

## APPLICATION INSTRUCTION

The background and tile must be clean, free of dust deposits, sinter skin, form work oil and other contaminations which may affect the adhesion.

The suction in the background should be thoroughly neutralized by applying clean potable water. Free water on the surface should be allowed to disperse before applying PACTOTile HPA.

Pre-treatment of the tile i.e. wetting is essential, however, due to the wide variety of tiles available; it is advisable to consult the tile manufacturer for recommendations.

## MIXING

PACTOTile HPA supplied in 25 kg. bag must be mixed with potable water only, in a clean plastic bucket or a clean, non-corrosive, uncontaminated metal tub. To ensure a homogeneous and uniform mix, an electric agitator or paddle mixer must be used.



The amount of water to be added is 5.5 ltrs– 6.25 ltrs per 25 kg bag. Add **PACTOTile HPA** to water, turn the contents of the bag carefully and stir frequently. Once mixed allow to stand for 5 minutes and mix again before applying. No further water should be added to the mix. The mixed mortar must be used within 30 minutes. Hard and set mortar should not be remixed. No further water should be added to the mix.

### APPLICATION

**PACTOTile HPA** is rendered in one coat, having a thickness of 3-5 mm. To achieve a uniform thickness, the mortar is leveled with a serrated trowel. The thickness of the ribs will depend on the size and type of tile. Do not spread more than 1m<sup>2</sup> at a time, spreading larger areas may result in the mortar drying out before tiles can be pressed home, resulting in poor adhesion. Once the mortar has been applied, the working time will vary according to the porosity of the surface and ambient conditions. While tiling in wet areas, i.e. swimming pools, shower rooms etc; ensure solid bedding, no voids or air pockets behind the tiles. Do not apply the mortar sparingly, buttering the mortar onto the back of the tile is not recommended but if essential it should be spread over the entire back of the tile to an even depth.

### CURING

Minimum 48 hours by potable water

### STORAGE AND SHELF LIFE

12 months from date of production when stored under dry conditions

**PACTOTile HPA** must be stored in a dry place, off the ground and well covered. Hard or lumpy material must be rejected.

### SPECIAL NOTES

Tiling in newly constructed buildings should not commence until all shrinkage movement and creeping has taken place. Cement based mortars, plasters, renders and floor screeds must be allowed to harden for a minimum period of 14 days before tiling commences. Ceramic tiles should never be fixed with tight joints. Leave a minimum space of 2mm around every tile. Grouting should not be carried out for at least 48 hours after completion of the tiling. During this period proper water curing must be carried out for hydration of cement.

### EQUIPMENT CLEANING

Clean all equipments and tools with water immediately after use.

### HEALTH & SAFETY:

PPE's: Gloves, goggles & suitable mask must be worn.

Precautions: Contact with skin, eyes, etc. must be avoided.

If swallowed: seek medical attention immediately.

Hazard: Regarded as non-hazardous for transportation.

For additional information please refer to the MSDS available on request

### TECHNICAL SERVICE

PAC Technical Services are available on request for onsite support to assist in the correct use of its product.

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