

Tilex[®] H100

Ceramic & Tile Adhesive for Use in Floor & Wall

Uses

Tilex H100 is a high quality adhesive for the permanent fixing of ceramics and tiles in floors or walls.

Typical uses include:

- Dry areas - rooms, corridors & halls
- Wet areas - kitchens, WC and bathrooms when modified with Capcobond MO40

Fixing ceramics on floors:

Tilex H100 is Suitable for fixing ceramics or tiles on floors, of residential and administrative areas it is mixed by 25% of its weight with water and applied with notched trowel.

Fixing tiles on floors and walls:

According to international standards and requirements, Tile adhesives must have some specific characteristics against environmental and cyclic stresses. For improving the performance of Tilex H100 it can be combined with liquid emulsion polymers like Capcobond MO40 (for internal or external floors and walls in wet area) or Capcobond 121 (for internal floors and walls in dry area), this combination is suitable for bonding of all type of ceramics, tiles and mosaics to internal or external floors and walls.

The recommended substrates are Gypsum boards, under floor heating, old tiles, cement boards, cementitious mortar, screeds and water immersion services like swimming pools.

Advantages

- Can be used in floors
- Good open wet time

When modified with Capcobond 121 or Capcobond MO40:

- Can be used in walls
- Good slip resistance
- High adhesive bond strength

When modified with Capcobond MO40:

- Water resistant
- Can be used in totally submerged conditions

Standards compliance

Tilex H100 conforms with EN 12004, Class C, Type 1.

Description

Tilex H100 cementitious based powder is available in grey or white colour.

Properties

Appearance	White & Grey Powder
Specific gravity	Typically 1.5 gr/cm ³ @ 20°C
Open time (25°C)	Approx. 20 min
Tensile adhesive strength	≥ 0.7 N/mm ²

Instructions for use

Surface preparation:

All surfaces must be sound and thoroughly clean before Tilex H100 is applied. All traces of grease, oil and loose particles of mortar, old wallpaper, paint etc. must be physically removed.

Surfaces:

Tilex H100 can be applied directly on concrete, cement screeds, and cement or lime mortar. Special attention must be given to new construction prior to commencing tiling. Tiles should not be placed on concrete or blockwork until all shrinkage movement has taken place.

Mixing:

A slow speed drill fitted with a suitable mixing paddle and mixing vessel of minimum 30 litre capacity are recommended.

Measure out 5 litres of clean water into the mixing vessel. Add the powder component to the mix and continue mixing for 2 to 3 minutes until a uniform, lump-free consistency is achieved.

For modified adhesive, firstly dilute Capcobond MO40 or Capcobond 212 with water to the ratio of 1(part):1 to 3(parts) then mix mechanically or in case of small amounts with gloved hands with Tilex H100 until a uniform and homogenous mixture is achieved.

Each 20kg bag of Tilex H100 is mixed with approximately 5 of diluted Capcobond MO40 or Capcobond 212.

Application:

Once mixed, Tilex H100 is typically spread on the substrate to a uniform thickness of 2 – 6 mm. This is then combed horizontally.

Place tiles firmly into adhesive bed ensuring good contact with a twisting motion. Only apply to areas which can be tiled in the adhesive's open wet time (up to 1 m² at a time).

Joints:

It is recommended that when fixing ceramic tiles, a minimum Spacing of 2 mm be left around each tile.

Finishing:

Remove excess adhesive with a damp cloth before material has set.

Cleaning:

Tilex H100 should be removed from tools, equipment and mixers with clean water immediately after use. Cured material can only be removed mechanically.

Grouting:

Grout installation should be after a minimum of 24 hours curing time at 25°C.

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Limitations

- Tilex H100 should not be used when the temperature is below 5°C and falling.
- The product should not be exposed to moving water during application.

Packaging

Tilex H100 is available in 20 kg bags.

Storage

Tilex H100 has a minimum shelf life of 12 months at 35°C if kept in a dry store in the original, unopened packs. The shelf life will be reduced at higher ambient temperatures.

Precautions

Health and safety:

Tilex H100 is alkaline and should not come into contact with skin and eyes. Avoid inhalation of dust during mixing. Gloves, goggles and dust mask should be worn. If contact with skin occurs, wash with water. Splashes to eyes should be washed immediately with plenty of clean water and medical advice sought.

Fire:

Tilex H100 is non-flammable.