

Strutile C50

Strutile® C50

Polymer-Modified, One Component, High Performance, Waterproof Tile Adhesive

Uses

Strutile C50 is a high quality adhesive for the permanent fixing of ceramic wall and floor tiles including porcelain and fully vitrified tiles, ceramic mosaics, quarry tiles, dark natural stone, terrazzo and brick slips. Typical uses include:

- Wet areas - kitchens and bathrooms
- Swimming pools
- Fixing marble tiles (up to 40 kg/m² on vertical)
- Fixing heavy elements e.g. brick slips, concrete tiles
- Bridges, underpasses and high rise buildings
- External claddings

Advantages

- Formulated to suit Middle East conditions
- Enhanced bond and tensile strengths
- Good open time & slip resistance
- Safe and easy to use
- Water resistant - suitable for submerged conditions
- Early return to service

Standards compliance

Strutile C50 conforms to EN 12004 class C2S2.

Description

Strutile C50 is supplied as a single component pack, which requires only the on-site addition of clean water to produce a consistently high performance adhesive, suitable for the following substrates:

- Concrete
- Ceramic, Tile & Stone
- Cement Plaster
- Brick Masonry
- Concrete Masonry
- Cement Terrazzo
- Cement mortar beds
- Ceramic backer board

Properties

Appearance	White & Gray Powder
Specific gravity	Typically 1.45 gr/cm ³ @ 20°C
Flexibility	Good
Open time (25°C)	Approx. 20 min
Tensile adhesive strength	≥ 1.5 N/mm ²

Instructions for use

Surface preparation:

All surfaces must be sound and thoroughly clean before Strutile C50 is applied. All traces of grease, oil and loose particles of mortar, old wallpaper, paint etc. must be physically removed.

Surfaces:

Strutile C50 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.

Application:

Once mixed, Strutile C50 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:

Strutile C50 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.

Limitations

- Strutile C50 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

Strutile C50 is available in 20 kg bags.

Storage

Strutile C50 has a minimum shelf life of 12 months at 20°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:**

Strutile C50 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:

Strutile C50 is non-flammable.