

Technical Data Sheet

Grow-Fix-110-PQ

It is a Cement-based, tile adhesive mortar for fixing ceramic and porcelain tiles

Coverage : 4 kg/m².

Note: Coverage rate takes no account of wastage and may vary according to surface condition and application method.

Technical data

Description

Grow-Fix-110-PQ is a single component, cement-based, polymer modified, thin bed, tile adhesive mortar. When mixed with the correct quantity of water, it provides adhesive mortar with unique workability properties, water retention and adhesion.

Features and benefits

- Good anti sagging properties.
- Water resistant.
- Excellent workability with long open time.
- Can be used as thin bed adhesive mortar up to 8 mm thickness.
- High adhesion bond strength.

Recommended for

Grow-Fix-110-PQ is ideal for fixing large size ceramic, porcelain and decorative mosaic tiles. It is also used for fixing normal size marble tiles and stone cladding without mechanical fixation. It can be used for fixing walls & floors tiles both internally and externally. It may be used to fix ceramic tiles onto old ceramic tiles' surfaces. The ideal substrates are concrete, cement based screeds & renders, old ceramic and terrazzo tiles.

Main application areas include:

- Submerged conditions such as swimming pools and water tanks.
- Wet areas such as bathrooms, shower rooms, kitchens and balconies.
- Heavy foot traffic areas such as classrooms and institutes.

Composition

It is composed of high strength Portland cement, well graded silica sand, mineral charges and compound of chemicals to improve adhesion and workability.

Packaging

It is available in 25 kg bags.

Powder density [Approx] : 1.65 kg/liter

Initial set : 2 hour 7 minutes

Room temperature open time : 77 minutes

High temperature : open time 41 minutes

Colors : Grey / white

Surface preparation

Substrates should be clean, sound, and free from any contamination. Remove any traces of

curing compound, laitance, organic growth or any other loose materials. It should be sufficiently cured so that any shrinkage has already occurred. Rough or un-even surfaces should be made flat to provide a wood float finish. Blow-holes and depressions shall be filled with a scrape coat of **Grow-Fix-110-PQ**. Wash the substrate with clean water. Ensure that the substrate and tiles are dry at the time of application.

Mixing

Grow-Fix-110-PQ mortar can be obtained by mixing with clean water as follows:

25 kg bag Mixing water : 5.4 ± 0.25 liters

Add the mixing water into clean container, and then add the **Grow-Fix-110-PQ** powder while mixing. Mix using slow speed drill fitted with suitable mixing paddle or a high shear stationary mixer. Partial small amounts may be mixed manually using suitable hand tools. Mix to produce homogeneous lump-free mortar. Leave **the** mortar to stand for 3 minutes. Do not over mix. **MIX AND USE**. Mix material that can be applied within 120 minutes (pot life).

Application

Apply the above prepared mortar evenly on the substrate at application thickness between 3 and 8 mm. Apply mortar over areas up to 1 m². **It** may also be applied on the back of the tiles to ensure full adhesive contact. Press tiles firmly into place and gently adjust the level by twisting slightly within 15 minutes during the adhesive open time. Leave 2 mm minimum width around the tiles (or as per design). Ensure proper distribution of the mortar, at least 85%, to the back of the tile. Check periodically to ensure proper transfer by lifting tiles occasionally. Clean the face of the tiles with damp sponge while the mortar is still fresh.

Grouting

Grouting of the tile joints can be made after 24 hours minimum.

Cleaning

Clean tools with water immediately after use.

Storage and shelf life

In order to preserve the quality and usability of the product, it should be kept in its unopened packaging, on pallets or similar structures, in a cool and dry place. If these recommended conditions are met, the product will remain usable for 12 months from the manufacturing date printed on the packaging.

Health and Safety

This product is composed of cement which may cause skin irritation or an allergic reaction on skin and damage to eyes. Do not inhale any dust from this product. Gloves, goggles or safety glasses, and other protective clothing must be worn. Skin should be washed with excess water if contact is made. Eyes should be washed out continuously for several minutes with water and medical help should be sought. Dispose of any leftover materials in the proper waste collection area per local and national policies. This product should be kept out of reach of children.

Growell guarantees that the product is free from material flaws. If any product is found to be defective, the manufacturer's responsibility will be limited to replacing the product at the factory. Users must confirm with the company that the product is appropriate for their intended use and that they have the most current data sheet. The company reserves the right to make changes without notice. The technical specifications provided are for informational purposes only.