

Technical Data Sheet

Super-Fill

Cement-based walls and ceilings putty

Description

Super-Fill is a single component, cement-based, polymer modified powder. When mixed with water it provides a highly consistent, smooth, fine paste with unique workability properties.

Features and benefits

- **Super-Fill** is a white cement based fine powder which
- provides an ideal finishing for concrete / cement plastered walls and ceiling.
- It provides an ideal base for painting with silky and shiny finish.
- It provides damp resistant smooth finish for further application of all kinds of paints. (Damp resistance means resistance to water in humid air & not physical water contacts / leakages).
- Can be used concrete, rendered wall, hollow block, precast walls, concrete ceilings, calcium silicate bricks & aerated light weight blocks.
- Excellent resistance to different weather conditions. Suitable for internal and external applications including coastal areas.
- Excellent adhesion to smooth cement-based substrates (including fair face concrete).
- Breathable. Allow the substrate to breathe without peeling off.
- Unlike conventional putty, **Super-Fill** has better compatibility with the cement-based render and concrete substrates. Shrinkage controlled and easy to use. Only mixing with water is required.
- Can be applied to 7 days old cement-based substrate.

Recommended for

Super-Fill is used for smoothening and leveling interior and exterior walls and ceilings prior to using emulsion or oil-based paints.

Composition

Super-Fill is composed of high strength Portland cement, well-graded fillers and a compound of selected chemicals to improve adhesion and workability.

Packaging

Super-Fill is available in 25 kg bags.

Coverage : 0.5-0.6 kg/m²/2 coats.

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

Technical data

Mixed density 1.45 kg/liter

Compressive strength >20 N/mm²

Tensile adhesion strength >0.5 N/mm²

Pot life 120 minutes @ 20°C

Application thickness 0.2 – 4 mm/coat
Colors White - Grey

Surface preparation

Substrates to be treated should be clean, sound, and free from any contamination. Remove any traces of curing compound, laitance, organic growth or any other loose materials. Deep surface defects should be filled with suitable repair mortar. Wash the substrate with clean water.

Mixing

Super-Fill paste can be obtained by mixing a 25 kg bag with approximately 8-9 liters of clean water. Mix mechanically using slow speed drill fitted with suitable mixing paddle or mechanically powered mixer. Small quantities can be hand mixed using suitable hand tools. Add the content of Super-Fill bag to the mixing water slowly while mixing. Mix for 3 minutes until homogeneous paste consistency is obtained. Let the mixture stand for 5 minutes and re-mix for 2 minutes.

Super-Fill may stiffen on standing, do not add more water & re-mix to obtain again the desired consistency.

Application

Scraper or putty knife may be used to spread **Super-Fill** manually.

Super-Fill can be applied at application thickness from 0.2 to 4 mm thickness/layer. Higher thickness can be achieved by applying multilayer layers. Leave each layer to dry for 4 - 6 hours before applying the following layer. Leave the final layer to dry preferably overnight. Lightly sandpaper the final surface till the required surface finish is achieved.

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.