

Technical Data Sheet

OmegaEpoxyPutty No. 11009

Solvent Free Epoxy Putty Filler

DESCRIPTION

Solvent free, two component epoxy putty designed to fill imperfection irregularities and fairing the surface of concrete floor prior to applying epoxy topcoats.

APPLICATIONS

OmegaEpoxyPutty No. 11009 should be used for repair of small cracks, air-pockets and/or blow-holes in concrete floors and is applied with a filling knife or a trowel. Can be applied directly on horizontal and vertical areas. Very porous substrates are to be primed with OmegaEpoxyPrimer No. 11001 before filling.

ADVANTAGES

- Extremely strong: 3x stronger than concrete
- Solvent free with non-shrinking feature
- Filling up till 10mm thickness in one go
- Sealing of concrete surface cracks
- Patching repair of concrete floors and walls
- Excellent chemical resistance
- Fast drying

INSTRUCTIONS FOR USE

SURFACE PREPARATION

Surfaces should be clean, sound, dry, and free from grease, laitance, oil and dust. Remove all loose material. All surfaces should be free from paint and any other substance that may prevent or reduce adhesion. The prepared surface must have an average "surface tensile adhesion strength" greater than 1.5 MPa. Moisture content should not exceed 5%.

MIXING

Part A (base) must be pre-mixed using a low speed drill for 1 minute. Keep the drill paddle below the surface of the material to avoid entrapping air. Add Part X (hardener) over Part A, mix the two parts for 2 - 3 minutes by an electric mixer with low rotation speed (< 300 rpm).

OmegaEpoxyPutty No. 11009 must be well mixed to ensure proper chemical reaction. After mixing, keep the mix to rest for 2min before the application. Do not add solvent, water or thinner at any time during the mixing or the application.

APPLICATION

Due to the easy workability of the product, a variety of instruments such as trowel, scraper, filling knife and squeegee can be used. OmegaEpoxyPutty No. 11009 can be overcoated with all epoxy coatings after a minimum curing period of 12 hours and maximum 48 hrs.

NOTE:

After drying OmegaEpoxyPutty No. 11009 should be sand with sand paper before applying any coat.

TECHNICAL DATA

Color:	Part A: Resin (Off white) Part X: Hardener (Dark Grey) Mix A+B: Grey
Density	1.65 Kg/Lt
Solid Content	100%
Pot-life Time at 25°C	45 minutes
Overcoating time @ 25 °C	24 hrs
Bond strength (ASTM C882)	>7 Mpa (2 days) >10 Mpa (14 days)
Compressive Strength (ASTM C579)	70 Mpa (7 days)
Flexural Strength (ASTM C580)	>30 Mpa (7 days)

PACKAGING

OmegaEpoxyPutty No.11009 is available in 3.8 liter and 0.9 liter set of two parts metallic containers.

CLEANING

All tools must be cleaned with OMEGA SOL-EPOXY or standard thinner before hardening.



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COVERAGE

Coverage depends on many factors such as porosity and roughness of the substrate and material losses during application. Theoretically 1.5 kg/m² per 1 mm thickness.

STORAGE

Store in original packing in dry conditions away from direct sunlight and in temperature controlled warehouse. Stored at +15°C to 30°C

SHELF LIFE

OmegaEpoxyPutty No.11009 can be utilized within 24 months of production date if stored in proper conditions in unopened original packing.

REMARKS

OmegaEpoxyPutty No.11009 should not be applied in the following cases:

- Onto surfaces likely to suffer from rising dampness or moisture contents.
- On asphalt floors or PVC tiles
- Onto surfaces likely to suffer from rising damp or humidity RH > 70%
- When ambient temperatures is less than 5°C.

HEALTH AND SAFETY

- Use goggles and gloves during application. Do not breathe the vapor of the product. Use only in well ventilated areas.
- Avoid contact with eyes or skin. In case of contact with eyes, clean with plenty of clean water and seek medical assistance.
- Avoid direct contact with flames and fire.