



Topxy Mortar SF -100

Product Description

Top Mortar 100 is a high-performance, three-component epoxy mortar designed for structural floor repair and resurfacing. It combines epoxy resin, hardener, and selected graded aggregates to form a durable, chemical-resistant, and mechanically strong grout. Ideal for repairing damaged concrete floors, filling voids, and restoring heavy-duty industrial surfaces.

Product uses:

- ✓ Repair of damaged concrete floors in factories, warehouses, and workshops.
- ✓ Filling voids, cracks, and cavities in industrial flooring.
- ✓ Resurfacing loading bays, ramps, and heavy traffic areas.
- ✓ Base layer for epoxy or polyurethane floor coatings.

Properties

- Exceptional compressive and flexural strength.
- Excellent adhesion to concrete and steel substrates.
- Solvent-free formulation: low VOC, safe for indoor use.
- Resistant to chemicals, oils, and industrial traffic.
- Non-shrink, ensuring dimensional stability.
- Easy to mix and apply on-site.

TECHNICAL PROPERTIES

<i>Appearance/Color</i>	glossy / Beige Color
<i>Density:</i>	2± 0.2 kg/liter (Mixed)
<i>Volume solids %:</i>	100 %
<i>Application Thickness:</i>	5–50 mm
<i>Theoretical spreading rate:</i>	0.2 m ² /ltr (0.1 m ² /kg) 5 mm thickness
<i>VOC:</i>	55 g/ltr
<i>Adhesion to Concrete</i>	> 3 MPa ASTM D4541
<i>Compressive Strength (7 days):</i>	> 70 MPa (7 days at 25°C) ASTM C579
<i>Flexural Strength:</i>	> 20 MPa ASTM C580
<i>Chemical Resistance:</i>	Oils, fuels, mild acids, alkalis
<i>Surface dry:</i>	2 approx. hour(s) 23°C/73.4°F 50% R.H
<i>Light foot traffic</i>	12-14 hours (23°C and 50% R.H.)
<i>Full dry:</i>	24 hours (23°C and 50 % R.H.)
<i>Full cure time:</i>	7 days (23°C and 50 % R.H.)
<i>Application temperature:</i>	+8 °C/46.4° F and +35 °C/ 95°F
<i>Min. cure temperature:</i>	+10°C/50°F



Application Details

<i>Mixing Ratio:</i>	Component A: 16– Component B: 2.6 kg C Component 1.3 kg (By weight)
<i>Pot Life:</i>	30–40 minutes at 25°C
<i>Application method:</i>	Metal Trowel – Scrubber
<i>Thinner:</i>	Do Not Thin The Product
<i>Thinner Amount:</i>	Do Not Thin the product

Surface Preparation:

Substrate must be sound, clean, and dry, free from dust, oil, grease, or laitance. Concrete should be mechanically prepared (grinding, shot blasting, or scarifying). Prime porous substrates with epoxy primer to enhance adhesion. Steel reinforcement, if exposed, must be cleaned to SA 2.5 standard.

PRECEDING COAT:

Top Floor SF 600

Top Floor FB 700

Mixing:

- Mix resin (2.7 kg) and hardener (1.3 kg) thoroughly until uniform.
- Gradually add powder component (16 kg) while mixing with a slow-speed drill (300–400 rpm).
- Continue mixing until a homogeneous, lump-free mortar is obtained.

Application:

Apply the mixed mortar using a trowel or spatula. For anchoring, pour or inject into the prepared hole before inserting the element. Compact well to avoid air entrapment.

Shelf life & Storage:

12 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.

Safety:

For information and precautions on the safe handling, transportation storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Mixing:

Before mixing with the curing agent, stir the base thoroughly in order to prevent any possible settling after storage. After mixing it is equally important to maintain stirring to keep the wet paint as a Homogeneous mixture.



Legal Notice:

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