



Topxy Mortar SF -75

Product Description

A high-performance, two-component, solvent-free epoxy resin-based mortar designed for structural repair, anchoring, and precision fitting applications. This fast-curing formulation is ideal for casting, fixing, and restoring concrete elements where rapid strength development and durable bonding are essential.

Product uses:

- ✓ In iron core planting, repairing all kinds of materials such as concrete stone.
- ✓ In the repair and isolation of large cracks.
- ✓ It is used for adhering material such as tiles, granites, to polished Surfaces.
- ✓ All kind of metal and steel are installed and adhered to concrete and steel building elements.
- ✓ In closing the outer surfaces in the crack injection and fixing of the injection packers.
- ✓ Fixed railing and earthquake dampers in bridges and viaduct.
- ✓ It is used to fix anchor elements.

Properties

- Easy to apply.
- Water and gas are impermeable.
- It is resistant to chemical and abrasion.
- It provides an excellent adhesion for concrete.
- Mechanical strength is very fast
- Fast set.

TECHNICAL PROPERTIES

<i>Appearance/Color</i>	Semi flat / Beige Color
<i>Density:</i>	1.85 kg/liter (Mixed)
<i>Volume solids %:</i>	100 %
<i>Pot Life:</i>	2 hours (23°C and 50% R.H.)
<i>VOC:</i>	55 g/ltr
<i>Adhesion Strength:</i>	3.75 MPa
<i>Compressive Strength (7 days):</i>	≥ 70 MPa (EN 12190)
<i>Shore D Hardness:</i>	≥ 80 (ASTM D2240)
<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: 3.75– Component B: 1.25 (By weight)
<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:

Substrates must be clean, dry, and free from oil, grease, dust, and loose particles. Mechanically prepare the surface to expose sound concrete.

PRECEDING COAT:

Top Floor SF 600

Top Floor FB 700

Mixing:

Mix Part A (resin) and Part B (hardener) thoroughly using a low-speed drill and paddle. Gradually add the filler (if supplied separately) until a homogeneous, lump-free mortar is achieved.

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.

Important Remarks:

- Surfaces must have enough structural strength.
- Concrete should have minimum of 25 N/mm² compression resistance and minimum 1, 5 N/mm² tensile strength.
- Applications below 10°C should be avoided.
- High temperatures lower the pot life of the product, while low temperatures extend cure time and consumption.
- Be careful about product mixing ratios.
- The surface should be protected from moisture and rain for 8-10 hours after application.
- All application tools and equipment should be cleaned with thinner immediately after the use. Cured material can only be removed mechanically.
- Use only where application and drying can proceed at temperatures above: 10°C/50°F. The temperature of paint itself should be 15°C/59°F or above. Apply only on a dry and clean surface with a Temperature above the dew point to avoid condensation. In confined spaces provide adequate ventilation during application and drying.
- The natural tendency of epoxy coatings to chalk in outdoor exposure.

Shelf life & Storage:

24 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:

The information presented herein is given in good faith but without warranty. It's based on our experience, indicates our laboratory work results and does not necessarily indicate final product performance. We cannot be held liable for the results obtained with our products and for any loss or accident that may result from its use. Our suggestions don't release you from the obligation to check their validity and to test our products for both your process and end use application. All our products are sold in accordance with our General Conditions of Sale. We don't make any warranty, express or implied, including but not limited to the merchant ability and fitness for a particular purpose.