Technical Data Sheet

Topox Filler SF-050

Product Description

Topox Filler SF-050 is a kneadable, universal repair compound. It is processed using a simple 1:1 mixing ratio and, once fully cured, can be painted over. It adheres well to metal, wood, glass, ceramics, concrete and most plastics. This putty cures at room temperature and, once cured, exhibits excellent resistance to petrol, oil, ester, saltwater and most acids and lyes. The product is Volatile Organic Compounds (VOC) free and it is suitable for use in Residential, Commercial & Heavy Industrial environments.

Product uses:

- ✓ Patching.
- ✓ Repairing pinholes, minor undulations, and static cracks.
- ✓ Joint Filling.
- ✓ Floor and wall resurfacing before application of epoxy or polyurethane range of coatings
- ✓ Bedding and gap filling applications in concrete repair
- ✓ Grouting Bolts.
- ✓ Sealing of pipes and tanks
- ✓ Repair of shafts, bearings, pumps and casings
- ✓ Resurfacing damaged concrete surface in horizontal and vertical planes.

Properties

- Two components thixotropic, solvent free epoxy resin, graded filler and thixotropic agents
- Resistance to impact load.
- Easy to apply
- long working time
- Resurfacing materials for horizontal, vertical and overhead applications.
- Resistance to wide range of aggressive chemicals.
- Can withstand dynamic and static heavy loads.

TECHNICAL PROPERTIES

Appearance/Color	Semi flat / Gray Color
Density:	1.7 kg/liter (Mixed)
Volume solids %:	100 %
Theoretical spreading rate:	2 m^2/ltr / 1.18 m^2/kg (500 micron DFT)
Consumption:	0.5 ltr/ m^2 (850-950 g/m^2)
Recommended DFT:	300-1000 micron
(Dry Film thickness)	
Pot Life:	2 hours (23°C and 50% R.H.)
VOC:	55 g/ltr
Surface dry:	2 approx. hour(s) 23°C/73.4°F 50% R.H
Light foot traffic	12-14 hours (23°C and 50% R.H.)
Full dry:	24 hours (23°C and 50 % R.H.)
Full cure time:	7 days (23°C and 50 % R.H.)
Application temperature:	+8 °C/46.4° F and +35 °C/ 95°F
Min. cure temperature:	+10°C/50°F

Application Details

Mixing Ratio:	Component A: 1– Component B: 1 (By weight)
Application method:	Metal Trowel – Scrubber
Thinner:	Do Not Thin The Product
Thinner Amount:	Do Not Thin the product

Surface Preparation:

New concrete substrate:

The new concrete substrate should complete the process of curing and should have a dry surface. The surface should be prepared using mechanical scrubbers to remove loose and unbounded particles.

Old concrete substrate:

All contamination such as oil / chemical spillage or pot holes should be treated. The surface should be prepared using mechanical scrubbers to remove loose and un-bonded particles

PRECEDING COAT:

Top Floor SF 600
Top Floor FB 700

Top Floor TS 500-SB

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:

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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