

TouffSET 102

HIGH STRENGTH EPOXY REPAIR MORTAR

TOUFFSET102 - fast skinning, fast curing product with 2K system . A modified EPOXY Polymer product with excellent adhesion properties on many surfaces. TOUFFSET102 can be used as a fill-and joint sealer, for structure / profile seams or spreadable for larger areas. Applied with static mixer-tip with manual or automatic gun. An Anaerobic Sealer with Advanced resin technology containing Teflon for Locking, Sealing, Securing and Lap Making. Product is a high viscosity thixotropic gel paste which cures rapidly, sealing instantly to high strength . TOUFFSET102 -specially formulated two-part compound for use on concrete substrate , metals, fiberglass and some plastics. This specially designed bedding compound can be used to repair broken parts, fill holes and cracks and build up surfaces. Initial cure is achieved in approximately 6 minutes. On full cure it can be painted, drilled or cut. This easy to use epoxy repair mortar is ideal for repairing eroded or damaged concrete, bay edges and broken steps. Repairs made with 5180 are virtually indestructible and its wear resistance and adhesion are unrivalled. It has excellent temperature, chemical and solvent resistance. Use primer (contact OBS-Support) wet-in-wet on porous substrates.

FEATURES

- Contains no solvent - provides 100% solids content, nonflammable, and virtually odorless
- High strength - provides load bearing properties equal to or greater than the materials being bonded in many instances
- Chemically/Environmentally Resistant - resists dilute acids, alkalis, solvents, greases, oils, moisture, sunlight, and weathering.
- Temperature resistant from -40°C to +160°C, excellent durability and abrasion resistance
- Initial cure in 6 minutes at room temperature and Low shrinkage during cure
- Variable full cure - in 12 hours at room temperature or much more quickly at elevated temperatures.
- Many applications - fills holes and builds up cracks, bonds plastic and metal to one another
- Sandable with excellent feathering characteristics .Cured film can be cut, drilled and painted
- Resistance to vibration and dynamic loading , High strength and impact resistance
- Unequalled hardness and epoxy bonding power - fast curing and virtually indestructible - provides a permanent repair to badly cracked and worn concrete and stone floors - will fill holes of any shape or size, gaps, nosings, cracks etc - may be feather edged

APPLICATION FIELD

- For surface repairs of fine cracks and spalls.
- For gap filling, grouting, bedding fixtures etc.
- For repairs to arrises and edge pieces without the use of formwork.
- Wherever a thixotropic epoxy mortar is required.
- Repairing vertical honeycomb concrete in abutments or overhead repairs on soffits.
- Fixing slip bricks to concrete. Securing bolts into walls. As a gap filling adhesive
- Filling bolt pockets. Bedding tiles. Repairing concrete posts in situ.



engineered to perform

TECHNICAL OVERVIEW

Mix Ratio	1A:1B by volume
Mixed Viscosity	Dough (ASTM D -2393)
Specific Gravity	.45g/cc (ASTM D -1475)
Colour	Grey
Shore D Hardness	50 (ASTM D 2240)
Density	1.7Kg/dm ⁰
Tensile Strentgh	15.4 MN/m ²
Flexural strength	55.9 MN/m ²
Compressive strength	55.29 MN/m ²
Coverage	1,2 sq.m per 10Kg @5mm depth
Formulation	100% solids
VOC	zero g/litre

MIXING

TOUFFSET102 comes as two parts. Dispense equal amounts (golf ball size, for example) of Part A and Part B. These products have a limited shelf life and should be used as soon as possible. (Min shelf life 6 months) Pot Life/Working Time; this material is mass sensitive. The more material you mix at one time, the less time you have to work with it. Working tip; If mixing a large quantity, flatten putty with a rolling pin to reduce mass concentration and extend pot life

SURFACE PREPARATION

Concrete and stone surfaces should be dry and free from previous coatings, contaminants and loose material and at least four weeks old. Very smooth concrete or concrete with soft laitance should be etched suitable method . Grease or oil should be removed with suitable Cleaner and the area thoroughly washed off and allowed to become completely dry.

DIRECTION FOR USE

The pack contains a granular resinous material and one or more bottles (depending on the packaging size) of curing agent. Mix the granular resinous material with the curing agent on a board. It is important that mixing should be carried out very thoroughly. The ratio of resin to curing agent is critical and the mixing of part packs is not recommended.

APPLICATION & THINNING

Before use, wear impervious gloves provided. Thoroughly mix components the pack has been designed to be readily mixable by trowel

Trowel vigorously over the prepared surface. Final levelling should be carried out with a steel float. To prevent 'drag' it is advisable to wipe the blade of the tool frequently with a rag moistened (but not saturated) with white spirit.

The working life of the mixed product is half to one hour depending on temperature. If the product is used past its working life, trowelling will become difficult and adhesion reduced.

Cleanup: Thinner

REMARKS

Product can be applied from feather-edge to 50 mm depth (full strength is achieved at 5 mm). Build up layers if the depth is significantly greater than 50 mm. Applying the product directly in a too high film thickness can reduce the performance of the cured material.

APPLICATION CONDITIONS

Temperature of material, air and substrate between 10 and 35°C and relative humidity below 85%. The substrate temperature must be at least 3°C above dew point.

PACKING : 5 , 10 and 20 Kg Sets

LIMITATIONS : Always mix as directed using all components. Do not use where application would trap moisture within the substrate or in situations where hydrostatic pressure could break the bond .As the manufacturer cannot know all the uses its products may be put to, it is the users responsibility to determine suitability for use. If in doubt, contact technical services department for advice.

HEALTH AND SAFETY: TOUFFSET102 contains a tacky compound and during application can adhere to human skin. The stain can be removed by using a cloth dipped in a light solvent. In case the affected area is sensitive, like the eyes, please contact the company physician for advice . The use of gloves and goggles against splashes are recommended. If in eyes, flush thoroughly with clean water, holding open to ensure trapped product may be flushed away. If swallowed, give water to drink and seek medical advice. If inhaled, unlikely due to products viscosity, remove to fresh air and apply artificial respiration if required and seek medical attention. If on skin, remove contaminated clothing and wash skin with soap and water.

