

SX450

COMPRIBAND EPOXY MORTAR

KEY BENEFITS SUMMARY

- High early compressive strength
- Easy to lay
- Excellent working properties
- Packaging can be used as mixing bucket
- Chemically resistant

PRODUCT INFORMATION

Description

SX450 is an epoxy resin based mortar suitable for placing using hand tools. The three pack product consists of a resin base, a hardener and a bag of specially graded fillers. The working surface should be primed using CS200 Compriband Epoxy Primer. SX450 is easy to place using hand tools, it can be used to give support to concrete arises and will act as a high strength support under steel or aluminium profiles. It can also be used for concrete repairs, attaining a very high level of performance. SX450 is resistant to a wide range of chemicals including petroleum products. The mortar is able to withstand freeze/thaw cycles.

Usage/Purpose

- Support of precast concrete, steel and aluminium profiles
- Repairs to concrete beams, columns, floors and walls
- Placed support for stanchion bases
- Placed support for bridge bearing

Colour

Grey

Packaging

16 kg bucket

Standards

SX450 has been tested in accordance with the appropriate parts of B.S. 6319

Specification Outline

Patching, repairs and support shall be carried out using SX450 as supplied by Tremco CPG UK Limited Limited.

The product must be stored, handled and used strictly in accordance with the manufacturer's instructions.

Protective Equipment

Use in well ventilated conditions and ensure all recommended protective equipment is worn during handling & use of this product. For full recommendation, refer to safety data sheet.

Preparation

- Clean back corroded reinforcing steel to bright metal and protect cleaned steel with a steel primer.

Priming

- Using CS200, pour all of the contents of the small hardener container into the larger resin container and mix thoroughly until homogeneous.
- Apply a thin continuous coat of mixed primer to the work area using a stiff bristle brush.
- Place the mixed SX450, see section below, within 30 minutes of priming.
- If primer is absorbed by a porous substrate, re-prime before applying mortar.

Mixing

- Mix with a slow speed high torque drill and mortar stirrer until homogeneous.
- For larger quantities place the mixed resin system into a suitable mixer such as the a Mixal or Creteangle.

Application

- Place the mixed material onto an uncured, primed surface using a clean trowel or other suitable hand tool.
- Ensure that the applied mortar is worked well into repair edges and any irregularities.
- A smooth surface finish may be achieved using a steel float moistened with solvent.
- Place in layers of approximately 10 mm to 50 mm.
- When using to bed movement joints, SX450 should be laid with a nominal 10 mm depth of bed.
- Where thicker layers are required to be built up, the surface of the under layer should be left with a wood float finish and should be scored.
- Subsequent primer and mortar layers may be applied as soon as the initial layer is firm enough not to distort under the new work.

- SX450 may be placed at temperatures between 5°C and 35°C. For placing at temperatures outside this range contact the Technical Service Department.

Cleaning

Tools and mixing equipment should be cleaned with solvent before the SX450 has started to harden.

Health & Safety Precautions

Safety data sheet must be read and understood before use.

Availability

Direct from Tremco CPG UK Limited (see back of leaflet for address and telephone details), or via local and national distributors.

Technical Service

Tremco CPG UK Limited has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on 01942 251400.

Guarantee/Warranty

Tremco CPG UK Limited products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with Tremco CPG UK Limited written instructions and (b) in any application recommended by Tremco CPG UK Limited, but which is proved to be defective, will be replaced free of charge.

No liability can be accepted for the information provided in this leaflet although it is published in good faith and believed to be correct.

Tremco CPG UK Limited Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.

TECHNICAL DATA

PROPERTY	RESULT
Compressive Strength	1 Day 90 N/mm ²
	3 Day 100 N/mm ²
	7 Day 105 N/mm ²
Tensile Strength	17.3 N/mm ² @ 7 Days
Flexural Strength	35.2 N/mm ² @ 7 Days
Density	2000 kg/m ³
Usable Life	40 minutes
Yield	Each 16 kg pack will provide 4 lm with a nominal 100 mm wide x 10 mm bed to both legs of a movement joint "or" 8 litres of mixed material.
Storage	Store in dry conditions at a temperature between 5°C and 45°C
Shelf Life	12 months when stored as recommended in original unopened packaging
	Storage at higher temperatures or high humidity may reduce shelf life

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