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TECHNICAL DATA SHEET TDS044
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EPOXY PATCHING MORTAR

DESCRIPTION

EPOXY PATCHING MORTAR is a convenient 2 pack epoxy resin based mortar, which provides a quick strong repair for concrete and masonry.

USES

EPOXY PATCHING MORTAR is intended for use where small patch repairs are required to concrete, brick, natural stone and similar materials. The product has excellent adhesion without priming and can be used for horizontal and vertical repairs.

The product cures rapidly so that repaired areas can be used in as little as 24 hours (depending on temperatures) and it provides better chemical and wear resistance than cement base products.

- Repair of damaged concrete pipes.
- Repair of concrete kerbs and steps.
- Filling holes and levelling worn and damaged concrete surfaces.

ADVANTAGES

- * **GOOD WORKABILITY**
Quick and easy to mix and apply.
- * **GOOD ADHESION**
Strong adhesion to steel, concrete and masonry.
- * **DURABILITY**
High chemical and wear resistance.
- * **FAST CURING**
Full cure achieved more quickly than with cement products.

TECHNICAL DATA

Appearance:	Light Grey Mortar.
Mixed Density:	2000kg/m ³
Application Thickness:	Minimum: 3mm Maximum: 25mm
Recommended Application Temperature (DO NOT APPLY BELOW 4°C)	+4 to +25°C
Service Temperature:	-30 to +45°C
Open Work Time at 20°C:	25 minutes at 20°C
Initial Cure: Full Cure:	24 hours 7 days
Adhesion to Concrete	When fully cured the bond strength exceeds the tensile strength of concrete.

COVERAGE

Coverage: 0.32m² per 2kg at 3mm thickness

PACKAGING

EPOXY PATCHING MORTAR is available in 2kg packs, each pack consisting of two separate containers, Part A and Part B which are packed in an outer container.

METHOD OF USE

Surface Preparation

Correct preparation is essential for the successful application of EPOXY PATCHING MORTAR.

Concrete:

Must be sound and free from all traces of laitance, oil and grease. Surfaces should be scarified to present a good mechanical key. Suitable methods of scarifying include scabbling, planing, shot blasting and hot compressed air techniques. When used for patch repairs, saw or chisel into the substrate at the edges of the repair area to a minimum depth of 3mm to eliminate the need to feather edge. Substrates saturated by oil and grease from previous usage present a particular problem and should be given special treatment such as HCA followed by degreasing.

Steel:

Remove all loose scale and rust, preferably by grit blasting, grinding or with a needle gun back to a bright metal finish, and clean down. Remove grease etc, with a suitable solvent. The primer should be applied immediately.

MIXING

Remove the two packages from the plastic pail. Empty the bag which contains the base pack into the bucket and stir to loosen the mortar. Add the hardener from the can into the bucket and immediately mix until a completely homogeneous mortar is obtained. Mix for 3 to 5 minutes. DO NOT OVERMIX, add any other aggregate, split or part mix packs.

We endeavour to ensure that any advice, recommendation or information we may give in product literature is accurate and correct. However, we have no control over the circumstances in which our product is used and it is therefore important that the end user satisfy himself by prior testing that the product is suitable for his specific application and that the actual conditions of use are suitable. Accordingly, no responsibility can be accepted, or any warranty given by ourselves, our representatives, agents or distributors, other than that the product as supplied by us will meet our written specification. Products are sold subject to our standard conditions of sale and each purchaser and end user should at all times ensure that he has consulted our latest product instructions and safety information.

APPLICATION

EPOXY PATCHING MORTAR is applied by trowel to a minimum thickness of 3mm. Spread and compact to the required thickness. Close up the surface of the mortar using a clean steel trowel regularly wiped with a cloth containing THINNERS No. 3.

CLEANING OF TOOLS

Immediately after use all tools and mixing equipment should be cleaned with THINNERS NO. 3.

STORAGE

EPOXY PATCHING MORTAR must be stored in cool, dry conditions away from moisture or direct sunlight. This product will have a twelve month shelf life when stored in these conditions in original unopened containers.

HANDLING

EPOXY PATCHING MORTAR contains liquid epoxy resin and a polyamine compound. Please refer to the relevant Health and Safety Data Sheet for detailed information regarding the handling of this product.

