



# ADVAPOXY MORTAR

Epoxy Resin fairing coat and filler

## DESCRIPTION

ADVAPOXY MORTAR is a two component thixotropic, solvent free, compound based on epoxy resins, graded fillers and thixotropic agents. It is applied directly to concrete substrates, without primer, and cures to a surface ready for over coating. The base component is light grey coloured and the hardener black to ease identification of uniform mixing.

## DESIGN CRITERIA

ADVAPOXY MORTAR is designed for filling pinholes and surface irregularities in concrete prior to the application of subsequent coatings. It can be applied from a feather-edge up to 3mm thickness.

## USES

ADVAPOXY MORTAR is designed for application to minor imperfections in concrete surfaces. It is suitable for application from a feather-edge to 3mm, and can be used in the following situations;

- ▶ Sealing of surface cracks in preparation for crack injection.
- ▶ Filling pinholes prior to over coating with ADVAPOXY 1500.
- ▶ General reprofiling over large areas, up to 3 mm depth.

## ADVANTAGES

- ▶ High performance - Excellent chemical resistance, strong adhesion to concrete substrate.
- ▶ User friendly - Easy to apply and finish, manufactured to meet local conditions
- ▶ Cost effective - Reduces usage of subsequent coatings

## INSTRUCTION FOR USE

### SURFACE PREPARATION

Concrete surfaces should be clean, dry and free from laitance. Sandblasting or mechanical wire brushing may be necessary.

### MIXING

Care should be taken to ensure that ADVAPOXY MORTAR is thoroughly mixed to produce a fully homogeneous paste.

The 'hardener' and 'base' components should be stirred thoroughly in order to disperse any settlement before mixing them together. The entire contents of the 'hardener' should be emptied into the 'base' container and the components mixed together using a mixing paddle attached to a slow-speed (400/500rpm) heavy duty drill, until a uniform grey colour and consistency is obtained. Mixing of 1Ltr packs can be done by hand but care must be taken to ensure homogeneous mixing.

Under no circumstances should part packs be used, or part mixing be attempted.

### APPLICATION

Due to the easy workability of the product, a variety of instruments such as trowel, scraper, filling knife and squeegee can be used. After mixing, material can be taken directly from the can, or subdivided onto spot boards for individual application.

ADVAPOXY MORTAR can be over coated with all epoxy coatings after a minimum curing period of 24 hours. Prior to over coating, the surface of the fully cured ADVAPOXY MORTAR should first be abraded to assist adhesion, and then cleaned to a dust-free finish.



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## LIMITATIONS

- ▶ Do not mix parts under any circumstances.
- ▶ ADVAPOXY MORTAR should not be exposed to moving water during application.

## COVERAGE & YIELD

Coverage of ADVAPOXY MORTAR is wholly dependant upon surface conditions, site trials are therefore recommended to ascertain actual usage on uneven substrates. However, as a guideline, we can consider coverage as 0.33m<sup>2</sup>/liter at 3mm thickness and 1m<sup>2</sup>/liter at 1mm thickness.

## HEALTH & SAFETY

ADVAPOXY MORTAR should not come in contact with skin or eyes, or be swallowed. Ensure adequate ventilation and avoid inhalation of vapours. Some people are sensitive to resins, hardeners and solvents. Wear suitable protective clothing, gloves and eye/face protection.

If working in confined areas, suitable respiratory protective equipment must be used. The use of barrier creams provides additional skin protection. Should accidental skin contact occur, remove immediately with a resin removing cream followed by soap and water. Do not use solvent. In case of contact with eye, rinse immediately with plenty of clean water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting.

ADVAPOXY MORTAR is non-flammable.

## CLEANING

ADVAPOXY MORTAR should be removed from tools, equipment and mixers with ADVATHINNER immediately after use. Hardened material can only be removed mechanically.

## TECHNICAL SPECIFICATIONS

Color	Grey
Solid by weight	100%
Compressive Strength	70N/mm <sup>2</sup> @ 7 days
Pot Life	4 hours @ 25°C 11/2 hours @ 35°C
Drying Time	10 hours @ 25°C 4 hours @ 35°C
Over coating Time	After 24 hour curing period
Chemical Resistance	Resistant to oils, fats, petrol, salt and sugar solution, bleach, dilute mineral acids, alkalis and various solvents.
Shelf Life	12 months if kept in unopened tins and stored in a dry place away from direct sunlight.
Storage	Store in dry conditions in the original, unopened containers. If stored at high temperatures the shelf life may be reduced to 4 to 6 months.
Packing	1 Liter and 4 Liters

The information given in this datasheet is based on both current development work and many years of field experience. Whilst every effort is made to ensure that the information is reliable, we cannot accept responsibility for any work carried out with our materials as we have no control over methods of application, site, conditions, etc.



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