

Epoxy Mortar

EM-6000 (3 Pack System)

Epoxy Mortar Screed (Minimum 6mm Thick) + Kiln Dried Sand

Description

EM-6000 Epoxy Mortar is a specially formulated, 3-component, epoxy resin system, which can be applied at a thickness between 6 to 50mm.

EM-6000 is designed to provide a material of very rapid strength gain and excellent adhesion which is capable of withstanding chemical and abrasive attack. It trowels to a smooth finish.

Coverage

Coverage varies widely due to the and profile of different thickness.

24 kg Kit
2kg = 1mm Thickness

* Coverage figures given are theoretical. Practical coverage rates may vary due to wastage factors and the type, condition, profile and porosity of the substrate.

Environmental Conditions

EM-6000 should not be used or applied at temperatures outside of at range of <10°C to >25°C
*temperature control will be required if below this range.

Otherwise, this will effect the cure period, surface finish and strengths. Surface temperature must be at least 3°C above the dew point. Air temperature should be above 5°C and relative humidity at less than 70%,

Maximum application temperature is 40°C. Best conditions are 15°C to 25°C, these conditions should be maintained during all the curing time. Application should be done with plenty of air ventilation.

Features & Benefits

- Three pack system - easily mixed
- Load resistant in 4 hours @ 20°C
- Fast setting in 2 to 3 hours @ 20°C
- Chemically resistant
- Applied by trowel
- System can be colour matched to suit specific project

Mixing

Thoroughly mix **EM-6000** by adding the contents of the hardener container to the base container and mix using a slow speed drill and paddle, then without delay, mix the contents of the filler pack until completely mixed with no dry spots.

Product Application

Apply the mix immediately to the wet **EPR-221 (Epoxy Primer)**, compact firmly into place avoiding trapped air. Finish using a steel trowel, wiping the trowel at intervals with Sindec Cleaning Solution.
Minimum application temperature 4°C.

Suitable Substrates

Provides a durable repair system to worn, spalled or damaged horizontal, vertical concrete surfaces where rapid return to use is essential.

Used extensively in screeding, bedding filler/grout.

EM-6000 is Trowelled to a smooth finish.

Substrate Requirements

Inadequate preparation will lead to loss of adhesion and failure. In coatings, there is a tendency for the finish to mirror imperfections in the substrate. Grinding or light self-contained shot blasting is therefore preferred.

If in doubt, apply a test area first.

Requirements as follows:

- Compact and Cohesive (Pull off test must show a minimum resistance of 1.4N/mm²).
- Minimum compressive strength of 25N/mm².
- Free from cracks and fissures. If any, they must be previously repaired (we recommend using Sindec Epoxy Crack Filler).
- Clean and dry, free of dust, loose particles, oils, organic residues, laitance and contaminants.

Oil & Grease

Isolated contamination should be removed using an appropriate degreaser, rinsed thoroughly, and allowed to completely dry. A coat of **OT-235 (Oil Tolerant Primer)** should then be applied (see separate datasheet)

Reapplication

Normally possible over coating time 4 to 6 hours @ 20°C

Return To Service

Traffic allowed 12 - 24 hours @ 20°C.
Full Cure is achieved after 7 days (approximately)
Caution: Contact with water when not fully cured may lead to white stains.

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Technical Information

PRODUCT INFO BEFORE APPLICATION

Packaging Kits

24kg Pack - Component A + B + C
(C =14kg Kiln Dried Sand Mixture)

Non-volatile content (%) approximate	A = >95%	B = 98%
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Colour	Colourless(A)	Amber (B)
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Resin Mixing Ratio	A = 100 by weight	B = 50 by weight
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Use Before	12 months after manufacturing date	
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Pot Life	Temp (°C)	Pot Life (100 g, min)
	20	20 mins

Storage Keep between 15°C an 30°C.
Keep all components at room temperature for 24 hours before use.

Shelf Life 12 Months (If unopened)

FINAL PRODUCT INFORMATION

Final State	Rigid, material
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Use Temperature	Stable up to 80°C
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Disposal of Containers

Empty containers must be handled with the same precautions as if they were full. Treat empty containers as hazardous waste, and transfer them to an authorized waste manager. If the containers still have some material left, do not mix with other product before considering the risk of potential dangerous reactions.

Technical Advice

For further information on this or any other Sindec product, please contact our office.

Health & Safety

Before using this product, please ensure that you have received and read the product Safety Data Sheet. Refer to hazard labelling on the product. Wear gloves and avoid contact with skin and eyes.

Additional Information

The information contained in this document, and all further technical advice given is based on our present knowledge and experience. However, it implies no liability or legal responsibility on our part. In particular, no warranty or guarantee of product performance in the legal sense is intended or implied as the conditions of use and the competence of any labour involved in the application are beyond our control.

Properties and coverage rates shown are for guidance purposes only. The user of the product must determine the product's suitability for the intended purpose. We reserve the right to make any changes according to technological progress or further developments.

Products are guaranteed against defective materials and manufacture and are sold subject to our standard terms and conditions of sale, copies which can be obtained upon request.

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