

EPILOX 246 EM

A HEAVY DUTY, SLIP RESISTANT, TROWEL – APPLIED EPOXY MORTAR

DESCRIPTION

EPILOX 246 EM is a three-component, solvent free, applied at 3 to 6 mm epoxy mortar screed for industrial application and is available in a range of colours.

USES

To provide a heavy-duty, chemical resistant and hard wearing floor finish. Typical areas for use are wet and dry process areas where the floor is subjected to heavy traffic, impact and chemical spills. Examples of such areas are kitchen, food and beverage processing plants, wash down rooms, chemical process area, loading docks, warehouses, etc.

ADVANTAGES

- ✓ Good chemical resistance & bonding strength
- ✓ Hygienic finish.
- ✓ Easy to clean, low maintenance requirement
- ✓ Good abrasion resistance to medium and high vehicular traffic

POT-LIFE AND WAITING TIME

	@20°C	@30°C
⇒ Pot Life	40 mins	20 mins
⇒ Cure Time	24 hours	18 hours
⇒ Time Between Coats	Up to 24 hours	Up to 15 hours
⇒ Light Traffic Use	24 hours	18 hours
⇒ Full Traffic Use	48 hours	24 hours
⇒ Resistance To Chemical Spillage	7 days	5 days

COLOURS

Colour of brown silica sand when mixed.

SURFACE REQUIREMENT & PREPARATION

Concrete substrate must be sound and of sufficient compressive strength of minimum 25 N/mm² with a minimum pull off strength of 1.5 N/mm². Surface to be coated must free of oil, loose particles laitance and other contaminants in order to achieve maximum adhesion. Any ponding water must be wiped dry before application..

Substrates must be prepared mechanically using abrasive blast cleaning or scarifying methods to remove cement laitance and achieve an open textured surface. Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed. Repairs to the substrate, filling of blowholes/voids and surface levelling must be carried out using appropriate products such CMFIX 100, DURAFLOOR C24, CHEMGROUT 215 or other suitable products under the approval of the manufacturer.

The substrate must be primed or levelled in order to achieve an even surface. All dust, loose and friable material must be completely removed from all surfaces before the application of the product, preferably by brush and vacuum.

TYPE



ADVANTAGES



COVERAGE (PER COAT)

8 kg/m²

COATINGS

2 coats (min)

COMPONENT

2
PART

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TECHNICAL AND MECHANICAL PROPERTIES

⇒ Compressive Strength (BS 6319:Part 2:1983)	>65 N/mm ²
⇒ Flexural Strength (BS 6319:Part 3:1990)	>40 N/mm ²
⇒ Surface Hardness (BS EN 13892-6:2002)	>5 N/mm ²
⇒ Pull-Off Strength (BS 13892-8:2002)	>3 N/mm ²
⇒ Abrasion Resistance (C&CA Abrasion Test as per BS 8204)	< 0.05mm

MIXING

Three parts components are pre-weighed and packed for optimum performance.

Add Part B, hardener to Part A, resin base into a container. Mix with a slow speed drill (300 – 400 rpm) with helical spinner head for about 2-3 minutes. Mix in Part C for 3 minutes, until uniform in a forced action mixer.

When adding additional aggregates, add them after adding Part C to the mix.

APPLICATION METHOD

Prime the substrate with a layer of EPIPRIME at ~0.25 kg/m²

Place the **EPILOX 246 EM** onto the primed surface, spread and compact evenly to the required thickness with a rubber or metal trowel or spatula and immediately roll with a spike roller to remove entrapped air and obtain an even layer. Workability can be adjusted by varying slightly the amount of Part C.

CHEMICAL PROPERTIES

✓ Lactic Acid 10%	Resistant
✓ Citric Acid 10%	Resistant
✓ Acetic Acid 10%	Resistant
✓ Hydrochloric Acid 50%	Resistant
✓ Sulfuric Acid 50%	Resistant
✓ Nitric Acid 25%	Resistant
✓ Sodium Hydroxide 50%	Resistant

Note: For more chemical resistance data, please refer to the technical department of CHEMIND.

SEALING

For a smooth, glossy finish, apply 1-2 coats of **EPILOX 246 SL**.
For a matt finish, apply 1-2 coats of EPITHANE CPS.

COVING

Coving can be formed with **EPILOX 246 EM** on vertical surfaces.

SUBSTRATE MOVEMENT

All moving joints must be treated and covered first before application of **EPILOX 246 EM**. Any substrate movement will reflect the cracks of **EPILOX 246 EM**.

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PACKAGING

28 kg per set (Part A: 2 kg, Part B: 1 kg, Part C: 25 kg)

TEMPERATURE

EPILOX 246 EM should not be applied at materials or floor temperatures below 10 °C. Temperature should not fall below 5 °C in the 24 hours after application.

COVERAGE

At 4 mm: 8kg/m²

At 6 mm: 12kg/m²

HEALTH & SAFETY

Some of the components of this product may be hazardous during mixing and application. Always use with suitable protective gears. Close container tightly after use. Keep out of reach of children.

Legal Notes:

'Statements made in this bulletin are for the assistance of our customers. They are based on our experience and judgment but must not be regarded as amounting to a legal warranty or as involving any liability on our part. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of this product must test the product's suitability for the intended application and purpose. CHEMIND reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. Users may always refer to the most recent issue of our Product Data Sheet for the products concerned, copies of which will be supplied upon request.'

Made In Malaysia

SCOPE OF REGISTRATION AND STANDARDS

Manufacture of Waterproofing materials. Compliance SIRIM testing. Compliance with ASTM technical standards and AS 3740 - 2004 Australia Standard.



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