

SEALPROOF ECM-801

EPOXY CEMENT MORTAR

SEALPROOF ECM-801 Epoxy Cement Mortar is a three [3] component cementitious epoxy modified self leveling for floor topping applications. It is generally used as a repair and maintenance of concrete floors and leveling of patching concrete surfaces, both unfinished and after grinding of surface imperfections.

Product Applications

As a self-covering and self-leveling topping of 1.5-3mm thickness for :

- ✓ Repair and Maintenance of Roads & Bridges
- ✓ Leveling of patching concrete surfaces
- ✓ Formulated for cementitious, mineral based substrates
- ✓ Self smoothing toppings as a substrate for synthetic floor coating
- ✓ Floor toppings beneath epoxy floor coatings
- ✓ Can be used as a patching and repair mortar for surfaces to be coated w/ epoxies

Product can also be used as a temporary moisture barrier (2mm-3mm thick) for a variety of top coats like epoxies, polyurethanes & CRB floors.

Product Characteristics

- ✓ Excellent adhesion to damp concrete
- ✓ Excellent mechanical and wear resistance properties
- ✓ Excellent thermal shock resistance
- ✓ Solvent Free system
- ✓ Excellent Cohesion Property over a variety of top coats
- ✓ Economical in use and easy to apply
- ✓ Good flow ability

- ✓ Waterproof
 - ✓ Excellent Water Permeability Properties
 - ✓ Resistance to grease and oils
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Product Coverage

Sealbond ECM-801 Epoxy Cement Mortar will reach 4.5kg/m² for 2 mm layer thickness.

Application Method

Surface Preparation

The substrate must be structurally sound, dry, level and free from all traces of loose material, oil and grease. Substrates must be dry or saturated surface dry (no standing water).

Mixing

Shake component A briefly, then pour component B and shake vigorously for at least 30 seconds. Pour the binder mixture(A+B) into a suitable mixing pail and add component C while mixing by using a electric stirrer mix. Mix thoroughly for 180 seconds.

Application

Sealproof ECM 801 Epoxy Cement Mortar must be evenly spread with suitable rubber or metal trowel and immediately rolled with spiked roller to remove entrapped air and to obtain an even layer thickness. Workability may be adjusted by slightly varying the component C.

Extended Mortar Mix

To repair surface irregularities and holes deeper than 3mm, the standard Sealproof ECM 801 Epoxy Cement Mortar may be extended with dry quartz sand.

Physical Product Properties

Color : Cement Gray

Mixing Ratio : **A: B: C = 4.47 : 1.85 : 16.68**
(by weight)

Pot Life : 20minutes

Curing Time Table @ 30°C :

Pedestrian Traffic	14 - 15 hours
Light Mechanical Loading	44 - 48hours
Full Cure	7 days

Performance Data

Comprehensive Strength	24 hours (4,350 – 4,700 psi)
	7 days (7,455 – 8,300 psi)
	28 days (8,550 – 9,400 psi)
Flexural Strength	1,500 psi – 1900 psi

Packaging – 23kgs/Set

Comp A. - 4.47kgs/Gallon

Comp B. - 1.85kgs/Gallon

Comp C. - 16.68kgs/Bag

Others

This technical data has been produced to the best knowledge and expertise of Sealbond Chemical Industries Inc. Please consult our technical team for further inquiries on product applications.