

PU Cove Mortar

CM-100

CM-100 is formulated to provide durable system to install coving to a smooth finish



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Description

CM-100 is a specially formulated, 3 component, epoxy resin system, which can be applied at a thickness between 5 to 250mm.

CM-100 is designed to provide a material of very rapid strength gain and excellent adhesion which is capable of withstanding chemical and abrasive attack. It finishes to a smooth, dust free surface.

Coverage

Coverage varies widely due to the porosity and profile of different substrates.

ONE 10kg Kit will cover:
10 Linear metres @ 50 x 50mm x 6mm

* 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

CM-100 should not be used or applied at temperatures outside of at range of 5°C to 30°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
- Sets in 1 -2 hours
- Chemically resistant
- Applied by trowel
- System can be colour matched to suit specific project.

Mixing

Thoroughly mix CM-100 resin by adding the contents of the hardener container to the base container and mix using a slow speed drill and paddle, and then without delay mix the contents of the filler pack until a completely mixture with no dry spots is evident.

Product Application

Apply the mix immediately to the wet Primer, compact firmly into place avoiding trapped air. Finish using a steel/rubber coving trowel, wiping the trowel at intervals with Solvent. Minimum application temperature 5°C .

Clean tools with sindec Tool Cleaner before the resin has cured.

Suitable Substrates

Thoroughly prepared concrete, polymer modified sand and cement screeds, steel and timber.

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:

- Flat and Smooth.
- Compact and Cohesive (Pull off test must show a minimum resistance of 1.4N/mm^2).
- Minimum compressive strength of 25N/mm^2 .
- Even and regular surface.
- 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)

Curing Times

Touch Dry in 45 Minutes, Fully cured in 7 days

Average Compressive Strength N/mm^2

In 4 Hours - 16N/mm^2
In 24 Hours - 40N/mm^2
In 7 Days - 65N/mm^2



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Technical Information

PRODUCT INFO BEFORE APPLICATION

	Component A	Component B
Chemical Description	Polyurethane	Polyurethane
Physical State	Liquid	Liquid
Packaging Kits		
3 Component (A+B+C Aggregate) = 10kg Kit		
Colour	Amber	Brown
Mixing Ratio	A = 100 by weight	B = 50 by weight
Use Before	12 months after manufacturing date	
Pot Life	Temp (°C)	Pot Life (100 g, min)
	20	30 mins
Storage	Keep between 15°C and 30°C. Component A may crystallize if stored for protracted periods under certain conditions. If this occurs, it can be restored to its original conditions by heating it to 70-80°C and stirring it thoroughly.	
	Shelf Life 12 Months (if unopened)	

FINAL PRODUCT INFORMATION

Final State	Solid Membrane, Glossy Material
Colour	Colourless
Hardness (Shore)	80 Shore D hardness after 7 day > 23°C
Compressive Strength	65N/mm ² after 7 Days

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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