

ULTRAKOTE EPOXY COVING & PATCHING MORTAR

Epoxy coving, patching and repair mortar



MATERIAL DESCRIPTION

Ultrakote's Epoxy Coving & Patching Mortar kit is a High Build, 100% solids, all-in-one solution for seamless coving, reliable surface repairs, creating falls to drains and ramping. This all-inclusive kit combines essential components for epoxy coving, crack repair, and floor coating applications, simplifying projects of all scales. Epoxy Coving and Patching Mortar kit is an exceptional epoxy repair mortar solution to patch large holes, cracks, and imperfections. It excels at leveling and ramping uneven surfaces, ensuring a smooth and consistent result.

INCLUDED IN KIT

- **Premium 100% Solids Epoxy Binder:**
2.4 litres of our premium epoxy binder, known for its high quality and heavy durability. This binder is key to creating a robust, long-lasting epoxy coving that will stand the test of time.
- **Specialty Coving Sand:**
20 kilograms of specially formulated coving sand that seamlessly complements our epoxy binder. This sand is meticulously chosen to ensure excellent adhesion and a heavy-duty finish, eliminating the guesswork and providing consistent, high-quality results.
- **5L Bucket:**
A handy 5-litre bucket is included in the kit, making the application process even more straightforward.

CHARACTERISTICS AND BENEFITS

- Low viscosity
- Excellent substrate penetration
- Very low odour - VOC
- Excellent binder for mortars
- Fast to cure
- Economical
- Good Chemical Resistance
- VOC compliance to Aust. Green Building Codes V1.1-13.1.1 and V1.1-12.1.1B

APPLICATIONS

Ultrakote's Epoxy Coving & Patching Mortar kit is suitable for use in a wide variety of industrial, commercial and residential applications.

- Garages and sheds
- Warehouses with high density traffic
- Multi-level car parks
- Car production and workshop facilities
- Chemical industries
- Industrial environments
- Showroom and offices
- Pharmaceutical and cosmetic facilities
- Electronic and electrical industries
- Food and drink processing plants

USES

- Concrete repair
- Patching large holes, cracks, and imperfections
- Epoxy mortar Sub-fill mortar screeds
- In conjunction with different floor applications, i.e.
 - ✓ Solid Colour Epoxy
 - ✓ Flake Coating Systems
- Coving
- Falls to drains
- Ramp and floor levelling

PROPERTIES (RESIN)

Colour	(Resin) Yellowish transparent	
Mix ratio	(A:B) 2:1 (Sand) as required	
Ambient air temperature	Application range recommended +5 to +30 °C	
Pot Life	10°C 30 mins	20°C 20 mins
Overcoating Time	10°C 15 hrs	20°C 8 hrs
Curing Times	Initial 24hrs	Full 7 days
Consumption	Range of 1:5 to 1:8 mixed litres of resin to kg blended sand	
Density	1.1kg/L	
Compressive strength	>40MPa	
Tensile strength in flexure	22 MPa	
Tensile adhesion strength	12 MPa approx	

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PREMIUM GRADE PROTECTIVE COATINGS

APPLICATION

Allow new concrete to cure for a minimum of 28 days prior to any coating. Surface must be sound, dry, free from all loose material, laitance, old coatings, dust and surface contaminants (e.g. oil, grease, chemicals, release/curing agents etc). Substrate must be mechanically treated by abrasive blasting or grinding for mechanical bonding. Oily surfaces must be degreased and removed. When used in profiling screeds or coving mixes, the substrate should also be primed. Once the surface is prepared:

- 1) Apply cloth masking tape to the wall and floor to achieve a straight line and mark the required height and width of your coving. Standard distance is: Wall Height 100mm and Floor Width 50mm
- 2) Each kit includes 2.4 Litres of bonding epoxy resin, Power mix portioned Part A and Part B for 2 minutes
- 3) Use 500ml of your mixed epoxy resin to prime the section between the 2 masking tapes.
- 4) Add the remaining MIXED resin to the bucket with sand and power mix for a minimum of 2 minutes to achieve consistent and uniform colour.
- 5) Pour the sand and resin in between the masking tapes and push the sand up using a 50mm, 350- 450mm long PVC pipe or coving trowel/tool.
- 6) After 10 minutes, use a clean brush, dip it in a solvent such as methylated spirits and run the wet brush over the coving to smooth it out
- 7) Remove masking tapes after 15 - 25 minutes and use your brush, dipped in solvent, to smooth out the top and bottom of the cove to minimise the lip
- 8) Allow to cure for approx 5 hours, remove any rough sand particles and seal the coving using 100% solids epoxy resin.

APPROVALS / CERTIFICATES

- Potable Water certified to AS 4020 - 2014
- VOC compliance to Aust. Green Building Codes V1.1-13.1.1 and V1.1-12.1.1B

PACKAGING

22.5kg kit containing:

- 20kg of specialty coving sand
- 2.4L tw- pack 100% Solids Premium Epoxy Binder
- 1x 5L Bucket

CLEANING

Use thinners to clean equipment and tools before the material hardens. Cured material can only be removed mechanically.

SHELF LIFE

Ultrakote's Epoxy Coving & Patching Mortar kit can be stored in tightly closed original containers for 12 months in controlled environments.

PRECAUTIONS

For the full health and safety hazard information, make sure that you obtain a copy of the Material Safety Data Sheet (MSDS) from our office or website.

VERIFIED DISTRIBUTORS OF ULTRAKOTE

[Sydney Industrial Coatings](#)

[Vinyl Flakes Australia](#)



LEGAL

This data sheet is to provide information on the product based on current knowledge. It does not constitute a guarantee and we recommend that testing should be undertaken to ensure that the final result is satisfactory for the intended application. The quality of the product is guaranteed under our General Conditions of Sale.

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