

RESIDENTIAL
& COMMERCIAL

INDUSTRIAL
& MARINE

ART
& CRAFT

SHIMICOAT
SURFACE SOLUTIONS



CARBOSIL

Epoxy Viscosifier

Usage

Hairline Crack Repair: Mix Ultra Clear Epoxy A&B, add to your desired Viscosity:

Screeding: Same quantity as resin used (100% by volume):

Consistency	% CARBOSILE to Epoxy Blend	APPLICATIONS
Slurry	5%	Superfine Hairline Cracks
Low Vis	10%	Screeding
Mid Vis	20%	Moderate Cracks
High Vis	50%	Large Dents

Application

Use any of SHIMICOAT Clear Epoxy Resins, mix at correct ratios and add CARBOSIL to your desired viscosity. Mix for 2-3 minutes and apply to your surface within curing time-frame of Epoxy product used.

For example, if using Ultra Clear Epoxy, add 1.0Lt of Part B (Curing Agent) into 2.0Lt of Part A (Resin), mix for 2-3 minutes and add your desired quantity of CARBOSIL. Use EpoDil "Epoxy Diluent & Thinner" to wipe and clean your tools and finish surfaces.

Preparations

Clean and dry surface. Ensure surface to be coated is free of all dirt, grease, oil, paint, curing agents and other contaminants. Removal of Oil Contamination by degreaser and alkaline cleaning pressure wash.

Acid-wash to enhanced surface porosity and etch the surface.

Ensure moisture free surface. Allow to completely dry, run Dry Test. Place a piece of plastic over a small area, tape the edges and leave for 1 hour. Remove plastic, if there is no moisture on either surface, concrete is sufficiently dry.

Ideally, always consider surface grinding and removal of loose materials. Grinding is always advisable prior to application of all Shimicoat Epoxy products, to maximize adhesion. For further information, please refer to SHIMICOAT Instruction for "Surface Preparations".

The product can be used as filler materials with any of SHIMICOAT Epoxy products (Clear or Tinted) to form an easy flow and easy apply epoxy mortar, ideally suitable for crack and hole repair prior to coating. CARBOSIL Epoxy paste is non-sagging, engineered for high strength for both horizontal and vertical applications.

 MATERIALS  CHEMICALS  RESINS  EQUIPMENT

Ph: (08) 9364 7446 | info@shimi.com.au | ABN: 28 622 871 283 | www.shimi.com.au

Direction

CARBOSIL has two distinctive applications:

NO	Application	Usage - Volume	Direction
1	Hairline Crack Repair	5-20%	Trawl and fill the crack. Let it cure over-night (8-16 Hours depending on temperature) Sand and Clear Up, to get the surface ready for Coating Application.
2	Screeding	10-50%	Screed over the entire floor. Smooth off using trawl or squeegee. Let it cure over night (8-16 Hours depending on temperature).

Mixing:

- Prepare Epoxy mix by adding appropriate quantity of Curing Agent (Part B) into the resin (part B).
- Mix thoroughly for 2-3 minutes manual or with mechanical mixer at low speed (750rpm Max).
- Add the correct quantity of CARBOSILE materials (depending on your application) and mix for extra 1-2min to ensure complete suspension of particles into the epoxy matrix.
- Apply to the surface and use well within curing time.

Crack Repair: Easy flow slurry for hairline cracks, higher viscosity for larger cracks

Screeding: Easy trowel to your desired consistency

For further information please contact our technical team at SHIMICOAT Pty Ltd.

WARNING

Keep out of reach of children

Read Safety Material Data Sheet (MSDS) of the product prior to use.

Storage

The products shall be stored out of direct sunlight and heat at all times. The shelf life of the product is over 24 months.

DISCLAIMER

Material Safety Data Sheet, Technical and Environmental Data Sheet can be provided upon request.

The information provided in this document is guidance only and considering the uses of this product are beyond the seller's control, the product is sold without guarantees or warranties. Warranties and guarantees shall be governed by SHIMICOAT Standard Terms of Sale. The purchaser shall make its own tests to determine the suitability for their specific application, and Shimicoat Pty Ltd is taking no responsibility for misuse of the product. The purchaser assumes all risk of use and handling of this product. This product will be happily replaced or credited back if defective. Beyond this, Shimicoat Pty Ltd is not liable for any damages caused by this product or its use.

This information and all further technical advice are based on our present knowledge and experience.

The customer is not released from the obligation to conduct careful inspection and testing of supplied goods.