

Omega Crack Repair Epoxy

Production Description

This is a low viscous two part epoxy material used for filling cracks in concrete.
 This material has very low shrinkage and the adhesion is excellent.
 This material could also be used as a primer for porous concrete

Areas of Application

Filling in cracks in concrete. Micro cracks need to be widened to fill the cracks.
 Ideally suited for floors in mechanical and chemical industries. It also consolidates loose and crumbled concrete.
 Not suitable for areas where ground water is likely to rise through the substrate.

Technical Data

Colour	Clear
Solvent Resistance	Great resistance against all types of solvent except only fair to acetone
Toxicity	Dry film is not toxic
Thinning & Clean Up	No thinning required
Drying Time (at 25 ⁰ c & RH 60%)**	Touch dry 2-4 hours
Mixing Ratio	4 : 1 by Volume
Pot Life (at 25 ⁰ c & RH 60%)***	20 minutes
Packs available	700 ml

*Practical coverage depends on surface profile, method of application and dry film thickness. Higher film thickness leads to lower coverage.

** Cooler temperature, higher film thickness, or higher humidity conditions will lead to longer drying times.

***Must use within the specified time otherwise the paint will start curing in can and will not be suitable for application anymore.

Method of Application

Can be applied by sauce bottles. Please use the method best suited to your requirement and skill.
 For sophisticated crack filling applications, Please consult Omega experts.

Surface Preparation

Concrete: Cracks should be free from oil, grease or loose particles.
 Micro cracks need to be widened. Please pay attention to expansion joints in concrete.

Application

Injection mix is poured into the cracks. High pressure systems could be used. Please consult Omega Experts prior to use.

Important Note

Please consider the design aspects, so that the concrete does not open up in another area of the building.
 This material give an excellent sealing and does not allow water to percolate through.
 This material could be overpainted

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Coating Maintenance

Once the cracks are filled with Crack repair and hardened, they can be sanded for coating over it. They are compatible with standard coating materials

Mixing and Colour Check

Mix the coating thoroughly before application by pouring part B and shaking the bottle. Improper mixing will result in tacky films.

Flammability & other DG classification & Transport

Corrosive Dangerous Goods Class 8

Soak all used cloths and rags immediately in water to prevent self-ignition. Ensure container is upright with lid secure.

Ensure the container is secured in the vehicle for transport.

Environmental

Do not wash coating equipment and allow waste to enter drains and water ways.

Do not dispose of unwanted coating and thinners that will enter drains and water ways.

Refer to state EPA web site for disposal details.

Safety & Precautions

Keep the coating materials above 10C. Keeping material below 10C is not advisable. Do not apply when surface temperature is below 10⁰ C or over 35⁰ C

Do not apply in environments of high humidity/moisture, or if pending rain is a possibility.

Once two components are mixed, must use within its pot life as specified in earlier section

Apply in calm fine weather conditions and only during daylight hours.

Cease coating 2 – 4 hours before sunset or if weather changes are forecast. Do not apply early morning if dew or frost is present.

Use only the recommended thinner for dilution and cleaning.

Check coating colour to the colour chart/standard prior to application Provide adequate ventilation during use.

Keep out of reach of children.

Check cross cut adhesion test of old coating before repainting.

Apply a test sample for compatibility of this product over a small test area.

Always refer to SDS prior to commencement of application.

First Aid

If swallowed, do not induce vomiting. Give plenty of water to drink. Contact a doctor or the Poisons Information Centre. Phone 131126 (Australia).

If in eyes, hold eyes open and flood with water for at least 15 minutes. Seek medical attention if any irritation persists.

If on Skin, remove contaminated clothing, wash skin thoroughly with soap and water. Do not use solvents.

If affected by inhalation, remove person to fresh air. If breathing difficulties persist or occur later, contact a medical doctor

Disclaimer: In lieu of all warranties expressed or implied, the seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither the seller nor manufacturer shall be liable for any injury, loss, damage, direct or consequential, arising out of the use of or inability to use this product. Since the use and application of this product is beyond the control of the seller and the manufacturer, the purchaser and user assumes all risk and liability whatsoever, in connection with this product therewith.

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