

Gecko[®] Coving & Crack Repair Liquid & Mixed Aggregate

100% solids 2 part epoxy crack repair liquid and mixed aggregate filler

DESCRIPTION

Gecko[®] Coving & Crack Repair is a premium quality, 100% solids, 2-part epoxy crack repair, formulated to repair cracks in concrete, masonry, driveways, paths and ponds etc.

ADVANTAGES

Gecko[®] Coving & Crack Repair delivers the following advantages:

- Rapid cure.
- Excellent substrate adhesion.
- Easy to apply and does not clog sanding /grinding discs as soon as it has dried.
- Highly durable.
- Premium chemical resistance.
- Remains flexible to accommodate vibrations and temperature change deformation.
- Solvent free and low odour.
- Conforms to AS4674 – Design, construct and fit-out of food premises.

AREAS OF USE

Gecko[®] Coving & Crack Repair is suitable for use in the following areas:

- Cracks in concrete and masonry structures
- Floor to wall coving

SUBSTRATES

Gecko[®] Coving & Crack Repair is suitable for application on:

- Concrete
- Masonry

TECHNICAL DATA (@ 25°C)

Pot Life:	15 - 20 minutes
Touch Dry:	± 2 hours
Foot Traffic:	2 hours
Full Cure:	3 days
Clean Up:	Xylene
Shelf Life:	12 months

PERFORMANCE DATA

Compressive Strength (ASTM D 695-85):	80 MPa
Tensile Strength (ASTM D 638-86):	65 MPa
Flexural Strength (ASTM D 790-86):	108 MPa
Hardness Shore D (ASTM D 2240-86):	81
Abrasion Resistance (ASTM D4060-90):	0.034g / 1000 (cycles)

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CHEMICAL RESISTANCE DATA

	Reagent	Resistance Rating
Acids	Lactic Acid 10%	B
	Nitric Acid 10%	B
	Sulphuric Acid 70%	A
	Sulphuric Acid 98%	D
	Acetic Acid 10%	B
Alkalis	Sodium Hydroxide 50%	A
	Bleach	A
Solvents	Methyl Ethyl Ketone	B
	Xylene	A
	Butyl Cellosolve	A
	Methanol	D
	Ethanol	C
	Toluene	A
Other	Water Spotting	A

Resistance Ratings:

- A – Excellent** Suitable for long-term contact.
- B – Good** Suitable for short-term contact, with spills removed within 3 days.
- C – Moderate** Suitable for very short-term contact, with spills removed within 12 hours.
- D – Low** Contact not recommended.

ANCILLARY PRODUCTS

- Gecko[®] Primers.
- Gecko[®] Topcoats.

SUBSTRATE PREPARATION

Full substrate preparation instructions can be found at www.crommelin.com.au/full-instructions/

- Concrete must be a minimum of 28 days old. If concrete is younger than 28 days, refer to Gecko[®] Primer Surface Tolerant.
- Concrete surfaces should be mechanically prepared and have a rough, open finish.
- Surfaces must be clean and free from dust, grease, food fats, curing compounds, release agents, loose particles, efflorescence, concrete laitance or any other contaminants. Curing compounds, sealers and other laitance are best removed by vacuum shot-blasting, scarifying or sand blasting.
- Surfaces must be dry (maximum 5% moisture content). The use of a professional grade moisture meter is recommended. If moisture content is over 5% refer to Gecko[®] Primer Surface Tolerant.
- Refer to NACE No.6/SSPC-SP13 for full concrete preparation details.**
- If necessary, the crack may be packed with backing material such as foam backing rod or compacted sand filler before application.

APPLICATION CONDITIONS

- Caution:** Application in low temperatures or high humidity is not recommended.
- Substrate temperature should be a minimum of 5°C above dew point.
- Protect the coating from moisture during the curing period.
- Application temperature between 10°C and 30°C.
- Application outside of these parameters may result in coating discolouration or blooming, however coating performance will not be affected.
- During periods of extreme cold or heat, cans may be warmed or cooled prior to mixing to optimise viscosity.

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APPLICATION TOOLS

- Trowel.

PRIMING

- Surface priming is recommended before crack repair application. For concrete, refer to:

Gecko[®] Primer HP

Gecko[®] Primer Rapid

Gecko[®] Primer Surface Tolerant

- Primer must be over-coated with repair mortar within recommended over-coating window.

PRODUCT PREPARATION

- Mix part A thoroughly before adding part B.
- Add all of part B to all of part A, scraping the can to make sure that no material is left un-mixed.
- Only mixing full kits is recommended.
- If part kits are required, ensure that the correct mixing ratio is adhered to.
- Mix part A and B thoroughly, using a slow speed mixing drill and spiral mixing paddle, at a maximum of 500 rpm. Avoid air entrapment.
- While mixing A & B add enough aggregates to achieve desired consistency:
 - Cracks: 1-2 kg/L
 - Patches: 2-3 kg/L
 - Coving: 4 kg/L
- Maximum yield when mixing the full kit is 7L .
- Do not thin.

APPLICATION

Full application instructions can be found at www.crommelin.com.au/full-instructions/

- Pour or trowel mixed material into crack or repair area and tool as required.

CLEAN UP

- Uncured material may be removed with Xylene.
- Cured material may be removed mechanically.

MAINTENANCE AND REPAIR

- Remove any spills immediately.
- Regularly clean coated areas with a pH neutral, mild detergent solution and rinse thoroughly.
- Any areas of damage must be repaired immediately.
- Areas of damage may be repair by sanding the affected area to produce a mechanical key and re-application as required. Feather edge repair patch to minimise repair visibility.

PRECAUTIONS

- Gecko[®] Epoxyflex products are not UV stable and will yellow or colour fade with UV exposure.
- For exterior and clear applications, refer to Gecko[®] Polyurethane and Polyaspartic Systems.
- A test patch is recommended prior to full application to assess colour suitability, coating adhesion and slip-resistive finish.

WARRANTIES

A standard warranty period of 10 years is offered for Gecko[®] coatings, when applied as per technical data sheet and maintained as per appropriate maintenance schedule.

Extended warranties are available for project specific applications. Please contact your Crommelin[®] representative, or the Crommelin[®] technical support team for detailed specifications applicable to your project and warranty requirements.

TRANSPORT AND STORAGE

- | | |
|-----------------------------------|------------------------|
| ▪ Part A: Clear Grey Resin | ▪ Cool and dry storage |
| ▪ Part B: Clear Amber Resin | ▪ Size: 2L Kit/8KG Tub |
| ▪ Refer to SDS for DG information | ▪ Weight: 3KG |

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SAFETY AND FIRST AID

Gecko[®] Coving & Crack Repair Safety Data Sheet is available from Crommelin[®] upon request.

Safety

- Ensure good ventilation and avoid breathing vapours.
- Avoid skin and eye contact. Wear gloves and eye protection. Remove splashes on skin immediately and remove contaminated clothing.
- Keep out of reach of children.
- Keep container sealed when not in use.
- Do not swallow.

First Aid

- If poisoning occurs, contact a doctor or poisons information centre: Ph. 13 11 26.
- If swallowed, do not induce vomiting. Give a glass of water to drink.
- If in eyes, hold eyes open and flood with water for at least 15 minutes.
- If not breathing, apply artificial respiration.

***Note: Crack Repair Liquid and mixed aggregate filler are sold separately.**

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Any advice, recommendation, information, assistance or service provided by Crommelin[®] in relation to its products or their use is given in good faith, however is provided without responsibility or liability.

Customers need to undertake their own assessment to determine the suitability of a product for the intended use. As the performance of any product is subject to a wide variety of different surface types as well as environmental and surface-specific conditions, it is essential that a sample of the product be applied to the intended area of use to ensure it is acceptable in appearance and finish and that it performs as required on the specific surface.

Crommelin[®] also reserves the right to update information without prior notice, to reflect ongoing research and product development.
