Technical
Data Sheet
November 2022

Gecko® Primer Rapid

Rapid cure 100% solids 2 part epoxy primer.

DESCRIPTION

Gecko® Primer Rapid is a premium quality, interior, 100% solids, rapid cure primer, formulated for use with Gecko® topcoats.

Gecko® Primer Rapid is formulated for use when application time is critical or when low temperatures are expected.

ADVANTAGES

Gecko® Primer Rapid delivers the following advantages:

- Rapid cure – suitable for use in cold temperatures.
- High substrate penetration, providing a sound surface for topcoat application.
- Excellent substrate adhesion.
- Workable pot life.
- Premium chemical resistance.
- Seamless application.
- 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® Primer Rapid is suitable for use in the following areas:

- Interior application*
- Floors, wall and ceilings
- Cold rooms
- High durability flooring
- Metal protection
- Wet areas, kitchens, warehouses etc.

*Suitable for exterior use when over-coated with coloured Gecko® Polyurethane topcoats.

SUBSTRATES

Gecko® Primer Rapid is suitable for application on:

- Concrete
- Metal (suitably prepared)

TECHNICAL DATA (@ 25°C)

Number of Coats:	1
Coverage: (per coat)	10m² / L - 100um WFT / DFT
Pot Life:	± 20 minutes
Touch Dry:	± 3 hours
Over-coat Window:	3 – 5 hours maximum
Foot Traffic:	3 hours
Full Cure:	7 days
Colour:	Clear
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): (cycles)	0.034g / 1000

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CHEMICAL RESISTANCE DATA

	Reagent	Resistance Rating
Acids	Nitric Acid 10%	B
	Lactic Acid 10%	B
	Sulphuric Acid 70%	A
	Sulphuric Acid 98%	D
	Acetic Acid 10%	B
Alkalis	Bleach	A
	Sodium Hydroxide 50%	A
Solvents	Xylene	A
	Methanol	D
	Methyl Ethyl Ketone	B
	Butyl Cellosolve	A
	Ethanol	C
	Toluene	A
Other	Water (deionised)	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® Epoxyflex topcoats.
- Gecko® Polyaspartic and Polyurethane topcoats.
- Gecko® Colour Tints.

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 sound and crack free. Repair all unsound areas with a suitable repair compound, installed as per manufacturer's instructions. Refer to Gecko® Coving & Crack Repair.
- Surfaces must be level. Grind high spots and fill low spots with a suitable levelling compound, installed as per manufacturer's instructions.
- 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.**
- Metal surfaces must be dry, rust free and clean from dust, grease, oils or any other contaminants. Areas of rust should be mechanically removed by abrasion.
- **Refer to AS1627.0 for full metal preparation details.**

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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.

APPLICATION TOOLS

- Good quality brush, short nap roller or squeegee.
- In cooler conditions, squeegee application is recommended instead of roller application.
- Use of spiked shoes is recommended.

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 drill and spiral mixing paddle, at a maximum of 500 rpm for at least 3 minutes. Avoid air entrapment.
- Pour homogenously mixed material into a suitably clean paint tray to maximise pot life.
- Do not thin.

APPLICATION

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

- Apply evenly to suitably prepared surface by brush, short nap roller or squeegee as appropriate.
- Ensure that subsequent top coat is applied within over-coating window – a maximum of 5 hours.
- If longer than 5 hours, lightly abrade surface with coarse sandpaper and wipe clean before over-coating.

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 effected area to produce a mechanical key and re-application of suitable top coat as required. Feather edge repair patch to minimise repair visibility.

PRECAUTIONS

- **Gecko® Epoxy products are not UV stable and will yellow or colour fade with UV exposure.**
- **Do not apply Gecko Primer HP over surfaces already coated with Gecko Primer HP. Apply the suitable Gecko topcoat - Epoxyflex HP, Polyaspartic or Polyurethane.**
- **For exterior applications, refer to Gecko® Polyurethane Systems.**
- **A test patch is recommended prior to full application to assess colour suitability, coating adhesion and slip-resistive finish.**
- **Final slip-resistive rating is determined by substrate profile and application rate. Slip-resistive ratings may only be achieved by measurement on site.**

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.

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TRANSPORT AND STORAGE

- Part A: Clear Grey Resin
- Part B: Clear Amber Resin
- Refer to SDS for DG information
- Cool and dry storage
- Size: 8L / 16L Kit
- Weight: 8.9KG/17.8KG

SAFETY AND FIRST AID

Gecko® Primer Rapid 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.

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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.