



DiamondCoat[®]

Polyurethane Concrete Floor Finish

Clear, highly durable and abrasion resistant, concrete floor coating.

DESCRIPTION

Crommelin[®] DiamondCoat[®] Polyurethane Concrete Floor Finish is a premium interior clear floor finish, formulated for use as a decorative and functional alternative to 2-part polyurethane and epoxy coatings.

Crommelin[®] DiamondCoat[®] Polyurethane Concrete Floor Finish delivers a tough, stain and abrasion resistant gloss finish, suitable for use in all areas of the home or work place.

FEATURES AND BENEFITS

- Easier to use than 2 part polyurethane and epoxy coatings.
- Single component, no need for mixing and no pot life restrictions.
- Tough, clear, gloss finish.
- High stain, water and abrasion resistance.
- Fast drying, allowing 2 coats to be applied in a day.
- Very low VOC and low odour, suitable for Interior use.
- High UV resistance and non-yellowing.

AREAS OF USE

DiamondCoat[®] Polyurethane Concrete Floor Finish is suitable for use in the following areas:

- Living Rooms.
- Utility Rooms.
- Factories and Warehouses.
- Kitchens and Laundries.
- Workshops.
- Commercial Floors.

Note: not recommended for use in areas of vehicular traffic, such as garages.





SUITABLE SUBSTRATES

DiamondCoat® Polyurethane Concrete Floor Finish is suitable for use on the following surfaces:

- Concrete.
- Crommelin® DiamondCoat® Tintable Gloss Sealer.
- Decorative Flake Floor Systems.

APPLICATION TOOLS

- Crommelin® Contractor Membrane Applicator Brush – 100mm, 75mm.
- Lint free roller.

SURFACE PREPARATION

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

Surfaces must be clean, sound and free from dust, grease, curing compounds, release agents, loose particles, efflorescence, concrete laitance or any other contaminants. Use Crommelin® DiamondCoat® Clean N Prep to remove grease, oils etc

- **All surfaces to be coated must be sound.** Any areas of loose or friable substrate must be removed and repaired by a suitable repair mortar.
- If acid etching has taken place, ensure neutralisation of the area and thorough rinsing has been conducted.
- **All surfaces to be coated must be dry.** A moisture test is required 100% of the time to ascertain if the substrate is dry enough to coat. Electronic moisture meters are recommended, however a simple test may be performed as per below.

Simple Moisture Test. Place a 300mm x 300mm piece of black plastic or rubber mat on the area to be coated at the hottest part of the day. After 2 hours, remove and inspect. If any condensation is present on the underside of the plastic, or the substrate has darkened, then it is too wet to coat. Be patient, allow to dry further and repeat test until no moisture is detected.

- If area has been previously sealed, ensure coating compatibility. If in doubt, remove existing coating.
- Ensure any areas where coating is not required are suitably protected with plastic drop sheets or similar.

PRODUCT PREPARATION

- **DiamondCoat® Polyurethane Concrete Floor Finish** is ready to use, simply stir well prior to application.

APPLICATION CONDITIONS

- Do not apply if surface/ambient temperatures are too high or too low. Recommended application temperature range 10⁰c - 35⁰c.
- Do not apply if humidity is too high, or likely to be during the initial cure phase. Maximum recommended humidity during application and cure is 85%.
- Weather details may be checked at <http://www.bom.gov.au>.
- It is recommended to apply **DiamondCoat® Polyurethane Concrete Floor Finish** in the late morning or early afternoon, after substrate moisture has been released and dew point has been exceeded.



APPLICATION PROCESS

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

- Apply a trial patch before full application, to assess sealer adhesion, final finish and slip resistance.
- Ensure that all application tools are clean and lint free.
- Apply the first coat of **DiamondCoat® Polyurethane Concrete Floor Finish** at the recommended coverage rates, taking care to apply an even coating.
- Allow first coat to dry. This will take approximately 2 hours at 25⁰c. Ensure suitable air flow is provided to assist drying.
- Apply a second coat at the recommended coverage rates, taking care to apply an even coating.
- Additional coats of **DiamondCoat® Polyurethane Concrete Floor Finish** may be applied to increase gloss level and/or improve final finish consistency due to substrate variations.

RE-COAT/CURE TIME

- Recoat time: 2-4 hours.
- Light foot traffic: 48 hours.
- Full cure: 7 days.

COVERAGE

- 6m² per litre.

Note: Coverage rates are dependent upon the porosity of the surface to be treated and are offered as a guide only. A sample test area is recommended to determine specific coverage rates.

Porosity Testing. Place a few drops of water on the surface you wish to test. Leave for 2 minutes and dab dry with paper towel. If darker, wet spots remain the surface is porous and can be sealed. If the surface does not darken or show signs of penetrations, it is too dense and should not be sealed with DiamondCoat® Sealer.

CLEAN UP

- Clean all equipment with water before product dries.

SIZES

DiamondCoat® Polyurethane Concrete Floor Finish is available in 4L and 10L pails.

- 4L will produce approximately 12m² of finished coating.
- 10L will produce approximately 30m² of finished coating.

Note: Coverage rates are dependent upon the porosity of the concrete surface to be treated and are offered as a guide only. A sample test area is recommended to determine specific coverage rates.

RELATED PRODUCTS

- Crommelin® Moisture Meter.
- Crommelin® Contractor Membrane Applicator Brush – 100mm, 75mm.
- Crommelin® Diamondcoat® Clean N Prep.





MAINTENANCE AND REPAIR

- Protect **DiamondCoat® Polyurethane Concrete Floor Finish** from harsh chemicals, abrasion and other potentially damaging conditions.
- The use of door mats is recommended at all entry points.
- Regular cleaning of the coated surface to remove abrasive contaminants is recommended.
- Areas of wear or damage may be repaired by lightly sanding the area and reapplying an additional coat of **DiamondCoat® Polyurethane Concrete Floor Finish**. Ensure that the edges of the repair are feathered out to minimise the appearance of repair patch edges.

PRECAUTIONS

- Ensure substrate is completely dry before application.
- Ensure adequate surface preparation is carried out to allow even application.
- Ensure a trial patch is applied to ensure suitability, required slip resistance and desired result is achieved.
- Ensure any existing coatings are compatible or removed prior to application.
- Do not apply during periods of extreme weather conditions – temperature or humidity. Apply between 10⁰c and 35⁰c and less than 85% humidity. To check these conditions, refer to <http://www.bom.gov.au>

TRANSPORT AND STORAGE

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|-----------------|-------------------------|------------------------|-------------------------|
| • Size: 4L, 10L | • Weight: 4.2kg, 10.6kg | • Cool and Dry Storage | • UN Number: N/A |
| • DG Class: N/A | • Flash Point: N/A | • Hazchem Code: N/A | • Poisons Schedule: N/A |

SAFETY AND FIRST AID

Crommelin® DiamondCoat® Polyurethane Concrete Floor Finish 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.

