11/08/2016

DiamondCoat®

Polyurethane Concrete Floor Finish

Clear, high build, high abrasion resistant, decorative 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.

Crommelin® DiamondCoat® Polyurethane Concrete Floor Finish's water based formula dries quickly, does not emit toxic fumes and is suitable for use over Crommelin® DiamondCoat® Tintable Sealer Gloss for a super tough gloss finish.

Features & 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.

• Single component with no need for mixing.

• Excellent substrate adhesion.

• Fast drying, allowing 2 coats to be applied in a day.

• Interior use.

• High UV resistance and non-yellowing.

• Very low VOC and low odour.

• Safe and easy to use.

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Areas of Use

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

- Living rooms and studies.
- Kitchens and laundries.
- Utility rooms.
- Workshops.
- Factories and warehouses.
- Commercial floors.

Crommelin® DiamondCoat® Polyurethane Concrete Floor Finish is not recommended for use in areas of vehicular traffic, such as garages.

Substrates

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

- Concrete.
- Decorative flake floor systems.
- Crommelin® DiamondCoat® Tintable Gloss Sealer.

Application Tools

- Crommelin® Membrane Applicator Brush.
- Lint free roller.

Surface Preparation

- **All surfaces to be coated must be clean.** All contaminants including dirt, dust, grease, oil, curing compounds, cement laitance, mildew, mould etc. must be removed.

- **All surfaces to be coated must be sound.** Any areas of loose or friable concrete must be removed and repaired by a suitable repair mortar.

- If acid etching has taken place, ensure acid neutralisation before coating application.

- **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 to be coated has had previous treatments, ensure that Crommelin® DiamondCoat® Polyurethane Concrete Floor Finish is compatible with the existing finish. If in doubt, remove all existing coatings before full application.

- Ensure any areas where coating is not required are suitably protected with plastic drop sheets or similar.

Application

- A trial patch is always recommended prior to full application.

- Ensure that all application tools are clean and lint free.

- It is recommended to apply Crommelin® DiamondCoat® Polyurethane Concrete Floor Finish in the late morning or early afternoon, after substrate moisture has been released and dew point has been exceeded.

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Application (continued)

- Do not apply if surface / ambient temperatures are too high or too low. Recommended application temperature range 10^0c - 35^0c. Do not apply in direct sunlight.

- 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

- Apply 1st coat of Crommelin® DiamondCoat® Polyurethane Concrete Floor Finish at the recommended coverage rates, taking care to apply an even coating.

- Allow 1st coat to dry. This will take approximately 2 hours at 25^0c. Ensure suitable air flow is provided to assist drying.

- Apply 2nd coat of Crommelin® DiamondCoat® Polyurethane Concrete Floor Finish at the recommended coverage rates, taking care to apply an even coating.

- Light foot trafficable after 48 hours. Full cure will be achieved after approximately 7 days at 25^0c, with sufficient air flow provided.

- Additional coats of Crommelin® DiamondCoat® Polyurethane Concrete Floor Finish may be applied to increase gloss level and / or improve final finish consistency due to substrate variations.

Important Notes:

- Substrate must be completely dry before coating application.

- A trial patch prior to full application is always recommended to assess final finish and slip resistance of coating.

- The application of high build coatings is not recommended in grip critical situations, the substrate may become slippery.

- Concrete surfaces will exhibit varying degrees of porosity. High porosity areas will absorb coating more readily, resulting in a dull appearance. Additional coats of Crommelin® DiamondCoat® Polyurethane Concrete Floor Finish will assist in delivering a uniform finish.

Coverage (at 25ºC)

- 1st coat at 6m^2 per litre.

- 2nd coat at 6m^2 per litre.

Clean Up

- Clean all equipment with water before product dries.

Sizes

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

- 4L will produce approximately 12m^2 of finished coating.

- 10L will produce approximately 30m^2 of finished coating.

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Related Products

• Crommelin® Contractor Applicator Brush – 100mm / 75mm

Maintenance and Repair

• Protect Crommelin® 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 Crommelin® 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.

• Do not apply during periods of extreme weather conditions – temperature or humidity. Apply between 5^0c and 35^0c and under 85% humidity. To check these conditions, refer to http://www.bom.gov.au

• Ensure any existing coatings are compatible or removed prior to application.

Transport and Storage

• Size: 4L , 10L.

• DG Class: Not applicable

• UN Number: Not applicable

• Weight: 4.2kg, 10.6kg.

• Flash Point: Not applicable

• Cool and dry storage.

Safety and First Aid

Crommelin® DiamondCoat® Polyurethane Concrete Floor Finish material safety data sheet 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 and away from animals and fish.

• Keep container sealed when not in use.

• Harmful if swallowed, poison schedule: S5

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 15 minutes.

• If not breathing, apply artificial respiration.

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Crommelin® Waterproofing & Sealing

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 particular use intended. 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.