

Product Data Sheet

GARDALL[®] 3000 FLOOR COATING

WATER BASED ACRYLIC URETHANE COATING

DESCRIPTION

- A technologically advanced water based coating that offers superior performance and protection of concrete floors.
- Ideally for concrete floors that require outstanding durability and resistance from general chemicals and solvents.

BENEFITS

- Water based.
- Not classified as hazardous according to NOHSC criteria.
- Low odour.
- Quick drying coating.
- UV resistant with excellent durability and colour retention.
- Excellent resistance to solvents and chemicals.
- Suitable for use in high traffic areas.

RECOMMENDED USE

- Concrete, masonry, and most metal surfaces.
- Areas that are subject to chemical and solvent attack.
- Areas where a durable high performance coating is required.
- Areas where solvent based coatings cannot be used.

BASIC DATA

- **APPLICATION** Can be applied by roller, brush or spray (airless preferred).
- **MIXING RATIO:** 1 part by volume of Part B to 4 parts by volume of Part A.
[Can be increased to 1 part by volume of Part B to 3 parts by volume of Part A if extra hardness/toughness is required.]
- **COVERAGE:** Apply at the rate of 8-10 square metres per litre per coat depending on porosity of substrate.
- **NUMBER OF COATS:** Minimum of 2 (Second coat should be applied within 24 hours of the first to maximise adhesion and performance)
- **RECOAT:** Allow **4 to 6 hours** between coats **at 25°C**. Allow more time at lower temperatures.
- **RECOATABILITY:** Not recommended. If recoating is required, the entire surface must be thoroughly abraded prior to recoating.
- **THINNER:** **DO NOT DILUTE OR THIN THIS PRODUCT.**
- **DRY TIME:** Touch dry in 2 hours depending on ambient conditions
- **FULL CURE:** 7 days.

- **POT LIFE:** Approximately **60 minutes at 25°C**. Pot life can be significantly reduced as temperature increases - **do not mix more material than can be used within the pot life. Do not use material that has been mixed for more than 1 hour, even if still liquid.** New mixes should not be added to old mixes.
- **AVAILABILITY:** Available in 4L and 20L packs.
- **DRY FILM THICKNESS:** Approximately 50 microns per coat.
- **SOLID CONTENT:** >45%
- **SHELF LIFE:** 12 months when stored in a cool dry environment. Do not store on a concrete surface or where condensation of moisture is possible.
- **CLEAN UP:** Clean up with water.
- **COLOURS:** Clear and White – tintable to required colours. Gardall® 3000 Clear will darken un-primed concrete.
- **GLOSS LEVELS:** Matt.

SURFACE PREPARATION

- All surfaces must be dry and clean, free from any contaminants such as oil and grease, efflorescence, mould release agents or curing agents.
- Concrete floors should be etched with dilute (10: 1) hydrochloric acid.
- Light abrasive blasting (pressure wash) is preferred and is essential for preparation of surfaces with loose or flaking paint.
- Adhesion to existing painted surfaces should be tested on a small scale prior to coating installation.
- Priming or sealing is generally not required. Floors to be primed or sealed should be acid washed with a 10:1 dilution of hydrochloric acid. Sealing with Gardall® Paving Sealer at a 1:1 dilution maintains a concrete floor's original colour.
- New concrete - blowholes must be filled prior to application of any coating.
- **Recoating Aged Surfaces** - Should it become necessary to re-apply Gardall® 3000, the previously treated surface should be lightly sand blasted or otherwise abraded to provide a mechanical key.
 - The surface should be clean and dust free to enable adhesion of the new coat of Gardall® 3000.
 - It is recommended that an adhesion test be carried out to determine that adequate adhesion can be obtained, otherwise it will be necessary to remove the old coating before rectification can proceed.

INSTRUCTIONS FOR USE

Please Read Material Safety Data Sheets before Use

- **MIXING of Gardall[®] 3000:**
 - Mix Part B into Part A until a consistent mix is obtained.
 - **Do not thin** out the product with water.
 - Do not mix more material than can be used within the pot life. Always prepare a new mix in a clean mixing vessel.
- Clean up spray equipment with water immediately after use. **Wrap gloves and rollers into plastic bags and dispose to landfill sites.**
- On most surfaces, **Gardall[®] 3000** should be applied as a two coat system:
 - Apply 2 coats of Gardall[®] 3000 Floor Coating at a rate of 8-10 square metres per litre to give a total dry film thickness of 100 microns minimum, not including any primer.
 - Allow 4 to 6 hours between coats (at 25°C).
- On porous surfaces, **Gardall[®] 3000** should be applied as a three coat system:
 - Apply Gardall[®] Paving Sealer (1:1 dilution) to acid washed concrete at the rate of 8-10 square metres per litre and allowing curing for 24 hours before applying the Gardall[®] 3000 Floor Coating.
 - Apply 2 coats of Gardall[®] 3000 Floor Coating at a rate of 8-10 square metres per litre to give a total dry film thickness of 100 microns minimum, not including any primer or sealer.
 - Allow 4 to 6 hours between coats (at 25°C).
- Roller application - if applying by roller, care must be taken not to induce bubbles by over-rolling. It is important to achieve a uniform film thickness free from pinholes, etc.
 - Overlapping should be avoided by finishing entire wall or panel surfaces in one continuous operation, that is, do not stop midway, finish at the edge of a wall or panel.
- **APPLICATION PRECAUTIONS**
Gardall[®] 3000 should not be applied if:
 - **the ambient temperature is below 10°C (or is anticipated to fall below 10°C during the curing period) or above 35°C** – note: if applied at temperatures between 10°C and 15°C, the curing time will be retarded resulting in extended recoat times;
 - **if rain is anticipated within 12 hours;**
 - **the relative humidity is above 85%;**
 - **the surface temperature of the substrate is less than 3°C above the dew point or is higher than 40°C;**
 - **the substrate is wet or damp.**
- If the original substrate colour is to be maintained use Gardall[®] Paving Sealer. **WARNING** – Priming or sealing can reduce the adhesion of the final coating. Always test small areas first to confirm the integrity of a primer-coating composite.
- This product has adverse effects on the aquatic environment and wash residues must not be allowed to enter drains or natural waterways. Coating residues should be poured into plastic bags, allowed to cure and then disposed of at landfill sites.
- **Gardall[®] 3000** is a specialist industrial grade product – please consult the product MSDS or Cavalcade Coatings on (08) 9258 7970 for further information.

SAFETY

- **Gardall[®] 3000** is a polyisocyanate based product and is an irritant.
- **Ensure adequate ventilation during use.** Avoid breathing vapour or mist - an organic vapour respirator must be worn. If spraying this product, a suitable respirator must be worn.
- **Protective clothing must be worn:** Remove contaminated clothing immediately – dispose of or launder before reuse.
- Avoid contact with skin and eyes by using gloves and eye protection when pouring, mixing and using **Gardall[®] 3000**.
- **FIRST AID:**
 - If swallowed, **DO NOT** induce vomiting – rinse mouth with water, give a glass of water to drink and seek immediate medical assistance.
 - If in eyes, hold eyes open and rinse with lots of water for at least 15 minutes – seek immediate medical assistance.
 - If skin contact occurs, wash with warm soapy water – contact a doctor if an inflammation of the skin develops.
 - If inhaled, move the person to a source of fresh air. Seek medical advice if symptoms such as coughing persist.