

Royale Waterproofing Membrane

Production Description

An ultra-premium highly durable and flexible water-thinnable elastomeric membrane coating formulated with new generation acrylic resins. The product offers excellent long-term durability to surfaces exposed to industrial and commercial environments. Due to its elastic properties and high film build, this product will completely cover cracks without rupturing. The semi-gloss finish of this product helps to retain the fresh look for years. Royale Waterproofing membrane is therefore a convenient and versatile option for long term protection. It is recommended to ensure the dry film thickness of 300 microns, which should be achieved in two or three coats.

Areas of Application

The product is recommended for all cementations surfaces and other construction materials. Also suitable for use on surfaces displaying hairline cracks or cracks up to 1 mm width.

Technical Data

Colour Range	Available in White, light ,mid-tone and pastels
Gloss Level at 60° head	20% - 30%
Solvent Resistance	Being thermoplastic film sensitive towards alcohol & aromatic hydrocarbons
Toxicity	Dry film is not toxic
Thinning & Clean Up	Water
Thinning Rate	Up to 5% thinner may be necessary depending on method of application and climatic conditions.
Theoretical Coverage**	Approximately 4 sq. m. / litre at 100 microns dry film thickness. Practical coverage may depend on surface profile, method of application and losses. Two to three coats of finishing are recommended to attain dry film thickness between 280 to 300 microns
Drying Time (at 25C & RH 60%)*	Touch dry: 30 minutes* / Recoat: 4 hours*
Packs available	4 litre, 10 litre,

*Cooler temperature, higher film thickness and higher humidity conditions will require longer drying times

**Practical coverage may depend on surface profile, method of application and losses. Higher film thickness will lead to lower coverage.

Method of Application

Brush, Roller or Spray. Please use the method best suited to your requirement and skill. Use of a synthetic sleeve of 16 mm nap on a smooth surface is recommended. For airless spray application, refer to the spray unit's instruction manual for setting requirements and application method.

Note: Do not over brush or over roll when painting, APCO Royale Waterproof Membrane is quick drying and over working the product may not give the desired finish. Paint in cooler temperatures and not in direct sunlight or wind. Do not brush in large areas and allow to dry before rolling. Brush and roll wet on wet, working area by area to avoid brush/roller lap marks

Surface Preparation

Remove dust, dirt, and grease from the surface to be painted. If mould or fungus is present on the surface, wash it with a commercially available bleaching agent and then treat with antifungal solution. Fill cracks with suitable proprietary filler and sand smooth using 180 - grit sandpaper. Light sanding using 220 - grit sandpaper must be carried out on smooth surfaces after the application of sealers or undercoats to prepare an even substrate. Previously unpainted cement, concrete or bricks will need to be cleaned with a stiff brush. No Primer is needed over concrete and cement (three or more coats may be required depending on how porous the substrate). Allow concrete, masonry and cement surfaces to cure for 28 days or until the alkalinity drops below PH10 before coating. Remove loose sand with a broom to provide a sound surface for painting

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Application

Stir the contents thoroughly before and during use. Stir the contents thoroughly before use. On very hot days the product may be diluted with up to 5% Acrylic drying retarder for ease of application. Apply one coat of Acrylic Primer Undercoat. Fill cracks and imperfections with proprietary filler, sand back and spot prime. Follow with two full coats of finish.

Mix and Colour Check

Mix the paint before application with a wide flat (25mm) paddle or a hand paint mixer with a perforated base, in a circular lifting motion from the bottom of the container for 5 minutes or until the paint and colour are thoroughly mixed. Remix the paint every 2 hours to ensure product consistency. Check colour to the colour chart/standard prior to application. Inner mix multiple containers together to ensure colour consistency. Replace and secure container lid during painting to prevent the paint drying within the container.

Coating Maintenance

Washing the painted surface periodically will maintain the look of a newly painted surface longer. Clean the surface with a diluted sugar soap or a mild detergent and rinse well with clean water. Do not use scouring pads, abrasive brushes, high pressure washing or solvent to clean the painted surface. These will damage the paint film and cause premature failure of the coating.

Flammability & Transport Information

- Non-flammable.
- Ensure container is upright with lid secure.
- Ensure the container is secured in the vehicle for transport.

Environmental

- Do not wash painting equipment and allow waste to enter drains and water ways.
- Do not dispose of unwanted paint and thinners that will enter drains and water ways.
- Refer to state / local EPA and council web sites for environmental and safe disposal details.

Safety & Precautions

- Do not apply when surface temperature is below 10⁰ C or over 35⁰ C
- Do not apply in environments of high humidity/moisture, or if pending rain is a possibility.
- Apply in calm fine weather conditions and only during daylight hours.
- Cease painting 2 hours before sunset or if weather changes are forecast.
- Use only the recommended thinner for dilution and cleaning.
- Check paint colour to the colour chart/standard prior to application
- Provide adequate ventilation during use.
- Keep out of reach of children
- Avoid exposure of the new paint film to steam for 48 hours and to washing or scrubbing for 7 days.
- Check cross cut adhesion test of old coating before repainting.
- Apply a test sample for compatibility of this product over a small test area.
- Always refer to SDS prior to commencement of application.

The technical information and suggestions for use and application are given in good faith. Since conditions of use are beyond the manufacturer's control, information contained herein is without warranty, implied or otherwise. The manufacturer does not assume any liability for any loss or injury resulting from the use of the product. Cooler temperature, higher film thickness and higher humidity conditions will require longer drying times