



High-Shield Roof Acrylic

Production Description

Pro Series Highshield Roof Acrylic is a premium, high quality 100% Acrylic based gloss finish for the protection of new and previously painted concrete tile and metal roofs. Highshield Roof Acrylic is flexible, with high durability and offers long lasting weather protection. Highshield Roof Acrylic provides a non-toxic film when fully dried, has excellent adhesion to the substrate and protection against the sun's UV rays and punishing rain and weather. With pigment suspension in the acrylic polymer emulsion means that the colour and finish will last longer, will not chalk or powder, as in the case of alkyd based coatings. Highshield Roof Acrylic is made in Australia, for protection against the harsh Australian conditions.

Areas of Application

Exterior Use Only. For all previously painted and unpainted roofs after proper surface preparation and priming. Roofs used for the collection of drinking water, care must be taken to disconnect down pipes before preparing and painting. Allow a heavy shower to wash the active surfactants from the surface before reconnecting to the tank. Allow 48 hours from completion of painting for the coating to cure before the collection of drinking water. Use of safety harness is recommended when working on roofs.

Technical Data

Colour Range	Refer to the APCO Roof Colour Collection Chart
Gloss Level at 60° head	65 – 80%
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**	14 sq. m. / litre per coat. Practical coverage may depend on surface profile, method of application and losses.
Drying Time (at 25C & RH 60%)*	Touch dry: 30 minutes* / Recoat: 2 - 3 hours*
Packs available	4 litre, 15 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. For airless spray application, optimum pressure of 2700 psi and nozzle size of 0.013-0.015 is suggested as a guideline. Refer to the spray unit's instruction manual for setting requirements and application method.

Surface Preparation

Disconnect down pipes before preparation, and remove all dust, dirt, oil, mould and all other contamination from the surface, high pressure wash and rinse with clean water. Remove all rust and spot prime. On previously coated surfaces, cross cut adhesion test and apply a test sample for compatibility. Remove milling wax film from new galvanised, colorbond and zincalume surfaces. For best results, etch prime the surface before finishing with Highshield Roof Acrylic. Previously unpainted cement, concrete and terracotta tiles should be cleaned with a stiff brush and high pressure washing. No Primer is needed for unglazed tiles, instead apply three coats of Highshield Roof Acrylic. For glazed tiles, prepare and apply one coat of SurePrep Primer/Sealer/ Undercoat followed by two coats

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of Highshield Roof Acrylic. Complete any repairs prior to the preparation. Use of safety harness is recommended when working on roofs.

Highshield Roof Acrylic

Application

Stir the contents thoroughly before and during use. Apply one or two uniform coats with light sanding in between using 220- grit sandpaper. Dust off and follow with two finish coats .

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 10 °C or over 35 °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.

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

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