

Royale Water Based Semi-Gloss Enamel

Production Description

APCO Royale Water Based Semi-Gloss Enamel is ultra-premium finish based on new generation 100% acrylics suitable for both interior as well as exterior services. It is water-based and hence environment-friendly. APCO Royale Water Based Semi-Gloss Enamel is easy to apply, dries within half an hour and leaves no trace of unpleasant odour. The product has superior flow and provides wear resistant, non-yellowing film. Low odour and free from solvents.

Areas of Application

It is ideally suited for interior and exterior surfaces, especially doors, trim, window frames, wet areas and primed metal surfaces. For interior and exterior use.

Yellowing of Enamel

All white and pale coloured enamels will yellow with age. Enamels will yellow in time. Only the use of water based acrylic paints can assure resistance to yellowing. APCO Royale Water Based Semi-Gloss Enamel does not yellow and should be used to avoid yellowing of the painted surface.

Technical Data

Colour Range	Available in White, light ,mid-tone and pastels
Semi-Gloss Level at 60° head	35 - 45 %
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: 4 hours*
Packs available	1 litre, 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 5mm nap on a smooth surface is recommended. For airless spray application, optimum pressure of 2200 psi and nozzle size of 0.011-0.013 is suggested as guideline. 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 Water Based Semi-Gloss Enamel 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.

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Surface Preparation

Remove all dust, dirt, grease, and any contamination from the surface to be painted. Scrap and sand loose and flaking paint and feather edges to a uniform profile. Clean the surface and if mould or fungus is present, then treat with anti-fungus solution. Rinse with clean water and allow the surface to dry. Apply one coat of APCO APCO OilPrep Interior/Exterior Enamel Undercoat or APCO SurePrep Sealer/Primer /Undercoat. On tannin rich timber, such as cedar, apply one coat of APCO Acrylic Wood Primer. Allow to dry and sand the surface lightly, clean dust off the area to be painted. Remove all rust and treat metal surfaces properly, then apply Rustblock Metal Primer.

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Application

Stir the contents thoroughly before and during use. Application of two coats of APCO Royale Water Based Semi-Gloss Enamel are normally recommended. Sand lightly between coat using 220 grit sandpaper and dust off before painting.

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.

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- 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. Colder temperature, higher film thickness and higher humidity conditions will require longer drying times.

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