



AMERCOAT 590

APRIL 2003

Acrylic Polyurethane

Product Data

A two pack acrylic polyurethane enamel with the following characteristics:

- Excellent brushing and rolling characteristics
- Rapid through cure
- Hard, high gloss finish
- Good UV resistance, contains UV absorbers

Uses

Suitable for a wide range of applications where a high-gloss durable finish is required.

Particularly suited for applications where large areas require roller application.

Colour Availability

Black, white and solid colours available.

Packaging

590A Base: 1L, 4L, 20L

590B Hardener: 250mL, 1L, 4L

Substrates

Suitably prepared vinyl coatings, chlorinated rubber, aged polyurethane coatings.

Mixing Ratio

Mix 4L 590A with 1L 590B Hardener

Pot Life

1.5 to 2 hours

Total Solids Content

78.0% (wt), 68.0% (vol) VOC of 283g/L

Thinning and Clean Up

Once catalysed, product is at brush/roller viscosity. Clean up with 254 or 475 Reducer.

Application

Spray – conventional, airless

Brush

Roller

Drying

Touch dry – 90 minutes

Hard dry – 8 hours

Recoat – after 3 hours @ 21 deg C, 4.5 hours @ 15 deg C, without sanding, or after 24 hours with sanding.

Theoretical Coverage

Approximately 13.6 sq.m/L @ 50 microns DFT.

Practical coverage rates will be lower than theoretical and this must be taken into consideration when calculating costs.

Surface Preparation

Steel and ferrous alloys: Suitably primed with 178 HS Primer or Amerlock 2, or similar product.

Aluminium & Galv: Must be pre primed with 719 Polyetch.

Safety Precautions

Read each component's material safety data sheet before use. Mixed material has hazards of each component. Safety precautions must be strictly followed during storage, handling and use.

CAUTION:

Improper use and handling of this product can be hazardous to health.

Do not use this product without first taking all appropriate safety measures to prevent property damage and injuries. These measures may include, without limitation: implementation of proper ventilation, use of proper lamps, wearing of proper protective clothing and masks, tenting and proper separation of application areas. Consult your supervisor. Proper ventilation and protective measures must be provided during application and drying to keep spray mists and vapour concentrations within safe limits and to protect against toxic hazards. Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined or enclosed spaces, such as tank interiors and buildings.

This product is to be used by those knowledgeable about proper application methods. PPG Industries makes no recommendation about the types of safety measure that may need to be adopted because these depend on application environment and space, of which PPG Industries is unaware and over which it has no control.

If you do not fully understand these warnings and instructions or if you cannot strictly comply with them, do not use the product.

This product is for professional use only. Not for residential use.

Before using the product, read the label on the can and consult the Material Safety Data Sheet.

Health & Safety

Avoid breathing vapour. Use with adequate ventilation. High concentrations of vapour may cause headache or nausea, affect the nervous system and respiration. When catalysed this product contains isocyanates, which are harmful by inhalation. Refer to Code of Practice for the Safe Handling of Isocyanates 1989 (or updates) for details on handling isocyanate material.

Do not use in the presence of naked flame or other sources of ignition. Store away from heat.

Wear safety glasses/goggles, an air supplied respirator or hood and PVC or nitrile chemical handling gloves. Persons with a history of respiratory problems are advised not to use this product or any other two pack polyurethane.

Store/dispose of residues in accordance with local body regulations.

First Aid

If poisoning occurs, contact a doctor. The Poisons Information Centre may be of assistance – telephone 0800 POISON (NZ), 13-11-26 (Australia).

If swallowed, do NOT induce vomiting. Give a glass of water to drink and get medical attention urgently. If affected by vapour, get into fresh air immediately. If splashed into the eyes, flush them with copious quantities of clean water for 15 minutes and get urgent medical attention.

If splashed onto skin, wash with soap and water.

For further information, refer to the Material Safety Data Sheet for this product.

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