

**727**

UV White High Gloss Topcoat

Version # 1

UV Curing White High Gloss Topcoat

Product Data

A spray applied UV curing high gloss white topcoat with low VOC content.

Exterior durable grade to which exhibits:

- good flow and levelling properties.
- good adhesion to 787P Universal Primer 09445 White.
- good chemical resistance.
- good alkalinity resistance.
- solvent resistance.
- 200 MEK Double Rubs (solvent resistance)

Uses

Recommended for interior/exterior partitioning and furniture applications.

Bathroom cabinets, vanities.

Shower walls and cubicles, wet areas.

Colour Availability

20000 White

Packaging

20L Lacquer lined openhead DG pails.

Thinning and Clean Up

745T, Ester Thinner A140

Application (general notes)

Spray apply to a DFT of 60 microns

(confirm with coating thickness gauge i.e. elecometer)



Substrates

Primed cement fibre/MDF board with 1-2 coats of 787P 09445 White Universal Primer.

Apply primer onto substrate at 45 microns DFT, one or two coats of primer.

Sanding the second coat of primer is recommended to achieve a better finish to the topcoat.

Apply topcoat at approximately 60 microns DFT single coat.

Mixing Ratio

Not Applicable

Pot Life

1 year in un-opened pails stored in dark environment.

Theoretical Coverage

Not Applicable

Surface Preparation

As supplied.

Gloss

Gloss @ 20°: n/a

Gloss @ 60°: > 90%

Gloss may vary dependent on lamp intensities, coating dry film weights and coverage.

Viscosity

Supplied Viscosity: 19-22s Ford 4 Cup @ 23 deg. C

If viscosity is greater than specification, reduce with Ester Thinner A140.

Solids

Solids % By Weight:

n/a

Solids % By Volume:

81.75%

Not Applicable

Drying

AIR DRY CURING/DRYING SCHEDULE



Drying cont...

BAKING CURING/DRYING SCHEDULE

Cure-Bake Oven Details

Oven Temperature: 45-50 @ °C

Time at Temperature

Bake Comments

To drive off the solvent prior UV curing.

UV CURING/DRYING SCHEDULE

Lamp 1: Gallium - Low

Lamp 2:

Wavelength UV-A

Environment:

Intensity: 0.390 - 0.430 mJ/cm²

Intensity: 0.190 - 0.220 mW/cm²

Line Speed: 4.0 - 5.0 m/min

UV Cure Comments:

Use Gallium lamps at low lamp intensity.
Or required energy output to cure coating.

Health and Safety

Avoid breathing vapour. Use with adequate ventilation. High concentrations of vapour may cause headache or nausea, affect the nervous system and respiration.

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.

If spraying in a confined area, a positive pressure air respirator should be worn. Store/dispose of residues in accordance with local body regulations.

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.

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.

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.

Technical information given verbally or in writing is based on knowledge and research, given in good faith and believed to be reliable, but no guarantee of accuracy is made or implied. Since methods and conditions of use are beyond our control, all merchandise is sold and received subject to the condition that our liability whether express or implied for any defect in quality, or for any lack of fitness for the specified use thereof, is limited to the return of the purchase price if written claim is made within 14 days from date of delivery. It is recommended that the user makes his or her own tests to determine the suitability of the product for his own requirements. Freedom from patent restrictions is not implied.