



777HS SUPERCAT

FEBRUARY 2006

Acid Catalysed Enamel

Product Data

Supercat is a high quality, isocyanate-free, two pack wood finish. Its main features are:

- High solids content
- Hard, durable finish
- Low formaldehyde emission
- Low toxic solvents

Designed as a high quality furniture finish, where a durable system is required. Has excellent resistance to abrasion, heat, solvent, alcohol, perfume, stains.

Available at 30%, 50%, 100% gloss levels.

The catalyst is acid, dissolved in solvent.

Uses

As a finish for high quality furniture, kitchens, toys, shop fittings, doors, cabinets, desks, panelling, partitions and most interior woodwork.

For gloss reduced metallics, recommend using full gloss metallic, followed by gloss reduced clearcoat.

Not recommended for table / bar tops, where surface becomes frequently wet – recommend Polyurethane system.

Colour Availability

Clear, White, Black and tinted solid and metallic colours available at Point Of Sale.

Packaging

777HS Base – 1L, 4L, 20L

777B Catalyst – 1L, 4L

777C Catalyst – 1L, 4L

777CF Catalyst – 1L, 4L

Substrates

Can be applied over suitably primed

Wood

MDF

Mixing Ratio

Mix 20L 777HS with 1L 777B Catalyst.

Mix 4L 777HS with 1L 777C or 777CF Catalyst.

Pot Life

Once catalysed, pot life is 8 hours.

Surface Preparation

Wood – Sand and dust down, apply primer.

MDF – Sand faces with 150 grit, edges with 120 grit followed by 180 grit in the opposite direction, then prime.

Thinning and Clean Up

After catalysing with 777B, thin as indicated

Solid Colours: 30-40% 777T (fullgloss), 777TF (G30, G50).

Metallics: 50-75% 777TF.

Using 777C or 777CF catalyst:

Solid Colours: 10-20% 777T (fullgloss), 777TF (G30, G50).

Metallics: 25-50% 777TF

To avoid discolouration, mix product in an acid resistant container.

Drying

Approximate air dry times at 20-25 deg C.

Dust free – 15 minutes

Print free – 2 hours

Hard dry – Overnight

Sanding - Overnight

Note – The above times will be adversely affected below 15 deg C.

Theoretical Coverage

Approximately 8.8 sq. m/litre @ 50µm DFT (catalysed with 777C). Practical coverage rates will be lower than theoretical and this must be taken into consideration when calculating costs.

Application

Contact spray equipment suppliers for application details.

Solid colours: Air assisted airless, or conventional spray.

Metallics: Conventional spray only. Do NOT use air assisted airless. Use lacquer setup for gun. Apply 1st coat as light, wet coat. Allow to flash off (10 mins), then apply further light, wet coats until hiding has been achieved. Then apply clearcoat, thinned the same as the metallic coat) in two coats, with flash-off between coats.

Spray to a consistent film build to avoid colour variation from panel to panel.

Do NOT apply by hot spray.

Do NOT use Flo-Rite in this product.

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.

Health & 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.

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.

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



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Substrate Systems

Preparation

Wood / MDF – Sand and dust down

Substrate / Recommended System	DFT (Microns)	Overcoat Time @ 20 Degrees C	Overcoat Preparation
WOOD – SOLID (Clear finish) 1 st coat 700 Urethane Sealer 2 nd coat 777HS Supercat Clear	20-30 40-60	16-24 hrs	Sand 360
WOOD – VENEER (Clear Finish) 1 st coat 777S Supercat Sealer 2 nd coat 777HS Supercat Clear	20-30 40-60	16 hrs	Sand 360
WOOD / MDF (Solid colours) 1 st coat 777P Supercat Primer 2 nd coat 777HS Supercat	50-60 40-60	16 hrs	Sand 360
WOOD / MDF (Metallic finish) 1 st coat 777P Supercat Primer 2 nd coat 777HS Supercat Metallic 3 rd coat 777HS Supercat Clear	50-60 40-60 40-60	16 hrs 20 mins	Sand 360 N/A

DFT = Dry Film Thickness

All the above systems are for INTERIOR USE ONLY

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