



555 BASECOAT

MAY 2005

2K Polyurethane

Product Data

555 is a quality Basecoat, suitable for use under Polyurethane clear topcoats.

- Better opacity than conventional urethanes
- Very fast drying – even when spraying 2 stage effects
- Easy to achieve consistent, mottle-free metallic finish – even our latest bright superfine grade
- No sanding required when overcoating
- Excellent DOI and UV durability when overcoated with 655A 2K COB Urethane

Uses

Depending on clearcoat used

Refer to clearcoat data sheet

Do not overcoat with lacquers, 978 or PSX700

Colour Availability

Solid and metallic colours, and Pearl 52001

Colours available at Point of Sale

Packaging

Available 1L, 4L, 20L

Substrates & 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.

Steel – Remove rust by blasting to SA2.5, or by using power tools or sanding. Degrease, prime.

Aluminium – Degrease, then scour with Scotchbrite. Degrease, prime.

Galv – Clean and degrease. Use a proprietary acid wash if surface has been chromate treated. Prime.

Total Solids Content

44.0% (wt), 26% (vol) for White

Thinning and Clean Up

Solid Colours: Thin 50-75% with 140.

Metallics: Thin 75-100% with 140.

Clean gun and equipment with 140 or 265.

Application

Conventional spray only. This product should be layered up until desired film build is achieved. If exceeding 20 microns DFT, or recoating previously sprayed 555, catalyse 10:1 with 579B. If project is being exposed to marine conditions, 555 must be catalysed 10:1 with 579B. Repair whole panels only – patch repair not possible.

Drying

Dust Free: 5 minutes

Touch Dry: 5-10 minutes

Hard Dry: 30 minutes

Theoretical Coverage

Approximately 13 sq. m/litre @ 20µm DFT.

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

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 – Sand and dust down

Steel – Remove rust, clean and degrease

Aluminium – Scour with Scotchbrite and degrease

Galv – Clean and degrease

Substrate / Recommended System	WFT / DFT (Microns)	Overcoat Time @ 20 Degrees C	Overcoat Preparation
WOOD / MDF			
1 st coat 788	65-165 / 30-75	12-24 hours	Sand 360
2 nd coat 555 Basecoat	60-75 / 15-20	30'	N/A
3 rd coat 269 Clear	220-270 / 50-60		
OR 655 Clear	100-130 / 37-50		
WOOD / MDF (Metallic Finish)			
1 st coat 777PT	105-125 / 50-60	16 hours	Sand 360
2 nd coat 555 Basecoat Metallic	60-75 / 15-20	30'	N/A
3 rd coat 777HS Clear	80-120 / 40-60		
STEEL			
1 st coat 178	90-135 / 50-75	16 hours plus	Sand 360
2 nd coat 555 Basecoat	60-75 / 15-20	30'	N/A
3 rd coat 655 Clear	100-130 / 37-50		
STEEL			
1 st coat 719 Polyetch	70-100 / 7-10	1-8 hours	N/A
2 nd coat CC22/1	110-165 / 50-75	2-6 hours	N/A
3 rd coat 555 Basecoat	60-75 / 15-20	30'	N/A
4 th coat 655 Clear	100-130 / 37-50		
STEEL (Blasted to Sa 2 ½)			
1 st coat CC22/1	110-165 / 50-75	2-6 hours	N/A
2 nd coat 555 Basecoat	60-75 / 15-20	30'	N/A
3 rd coat 655 Clear	100-130 / 37-50		
ALUMINIUM / GALV			
1 st coat 719 Polyetch	70-100 / 7-10	20' – 8 hours	N/A
2 nd coat 178 (optional)	90-135 / 50-75	16 hours plus	Sand 360
3 rd coat 555 Basecoat	60-75 / 15-20	30'	N/A
4 th coat 655 Clear	100-130 / 37-50		

WOOD / MDF (Pearl Finish)			
1 st coat 788	65-165 / 30-75	12-24 hrs	Sand 360
2 nd coat 269 Solid Base Colour	185-220 / 50-60	1-2 hrs	N/A*
or 579 Solid Base Colour	90-120 / 37-50	1-2 hrs	N/A*
3 rd coat 555 / 52001 Pearlcoat	60-75 / 15-20	30'	N/A
4 th coat 269 Clear	220-270 / 50-60		
or 655 Clear	100-130 / 37-50		
WOOD / MDF (Pearl Finish)			
1 st coat 777PT	105-125 / 50-60	16 hrs	Sand 360
2 nd coat 777HS Solid Base Colour	75-115 / 40-60	20-60'	N/A*
3 rd coat 555 / 52001 Pearlcoat	60-75 / 15-20	30'	N/A
4 th coat 777HS Clear	80-120 / 40-60		
STEEL (Pearl Finish)			
1 st coat 178	90-135 / 50-75	16 hrs plus	Sand 360
2 nd coat 579 Solid Base Colour	90-120 / 37-50	1-2 hrs	N/A *
3 rd coat 555 / 52001 Pearlcoat	60-75 / 15-20	30'	N/A
4 th coat 655 Clear	100-130 / 37-50		
STEEL (Pearl Finish)			
1 st coat 719 Polyetch	70-100 / 7-10	1-8 hrs	N/A
2 nd coat CC22/1	110-165 / 50-75	2-6 hrs	N/A
3 rd coat 579 Solid Base Colour	90-120 / 37-50	1-2 hrs	N/A*
4 th coat 555 / 52001 Pearlcoat	60-75 / 15-20	30'	N/A
5 th coat 655 Clear	100-130 / 37-50		
STEEL (Pearl Finish) Blasted to 2 1/2			
1 st coat CC22/1	110-165 / 50-75	2-6 hrs	N/A
2 nd coat 579 Solid Base Colour	90-120 / 37-50	1-2 hrs	N/A*
3 rd coat 555 / 52001 Pearlcoat	60-75 / 15-20	30'	N/A
4 th coat 655 Clear	100-130 / 37-50		
ALUMINIUM / GALV (Pearl Finish)			
1 st coat 719 Polyetch	70-100 / 7-10	20' – 8 hrs	N/A
2 nd coat 178 (optional)	90-135 / 50-75	16 hrs plus	Sand 360
3 rd coat 579 Solid Base Colour	90-120 / 37-50	1-2 hrs	N/A*
4 th coat 555 / 52001 Pearlcoat	60-75 / 15-20	30'	N/A
5 th coat 655 Clear	100-130 / 37-50		

WFT = Wet Film Thickness

DFT = Dry Film Thickness

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