



PSX1025

JUNE 2006

Engineered Acrylic Siloxane

Product Data

PSX1025 is a 2 pack high solids acrylic-siloxane coating, free of isocyanate, providing gloss and appearance retention exceeding the best polyurethane.

- *Isocyanate, formaldehyde and peroxide free system
- *Outstanding gloss and colour retention – ultra durable colours available on request
- *Unequalled durability compared to conventional acrylics
- *Fast drying – better drying than equivalent high solids 2K acrylics
- *Excellent chemical, petrol, oil, alcohol, solvent and steam resistance
- *Excellent abrasion resistance
- *Heat resistant up to 100 deg C dry heat
- *Easy recoat
- *Contains UV absorbers to counter NZ's severe climatic conditions
- *Coverage usually in 2 coats
- *Minimal opacity loss for lead-free colours
- *Excellent heavy duty coating with abrasion and anti-graffiti properties
- *USDA – Incidental food contact

Uses

Suitable for a wide variety of end uses where a durable, tough, chemical resistant finish is required – trucks, buses, trains, machinery, transformers etc.

Colour Availability

Black, White, Clear and tinted colours available at Point of Sale in full gloss and gloss-reduced.

Packaging

PSX1025A 1L, 4L, 20L

PSX1025B 1L, 4L

Thinning and Clean Up

For full gloss colours add either 475 Enamel Reducer MI or 140 Ester Thinner to the catalysed paint at 5%-15% if required.

Clean gun and equipment with 475 Reducer or 140 Thinner.

For reduced gloss colours (G70,G50,G30,G10) add only 140 Ester Thinner to the catalysed paint at 5%-30% if required.

Clean gun and equipment only with 140 Thinner when reduced gloss colour has been used.

Application

Conventional Spray – Apply @ 350-420 kPa. Apply 2 coats, wet on wet, allowing 5 minutes flash off between coats.

Airless Spray may also be used.

Drying

Dust free: 15 minutes

Tack Free: 45 minutes

Print Free: 4 hours

Hard dry: 16-24 hours

Recoat: 16-24 hours minimum, with itself

Full Cure: 7 days

Force Dry: 30 mins @ 60C (allow 15 mins flash off) 20 mins @ 70C (max)

Theoretical Coverage

Approximately 11.0 sq. m/L @ 50µm DFT (catalysed)

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

Substrates

Suitably primed:

Steel/Ferrous

Aluminium

Galvanised Steel

Mixing Ratio:

Mix 4L PSX1025A with 1L PSX1025B

Pot Life:

Once catalysed, Pot Life is 4 hours

VOC

When mixed as recommended less than 420 grams per litre.

Surface Preparation

Steel – Remove rust by blasting to SA2½, or by using power tools or sanding. Degrease.

Aluminium – Degrease. Scour with Scotchbrite. Degrease again.

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

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.



PSX1025

Substrate Systems

Preparation

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
STEEL/ALUMINIUM/GALV			
1 ST Coat 719 Polyetch	70-100/7-10	1-8 hrs	N/A
2 nd Coat Amercoat 476	95-160/70-120	2-24hr	N/A
3 rd Coat PSX1025	95-145/50-80		
STEEL BLASTED TO CLASS 2 ½		2-24 hrs	
1 ST Coat Amercoat 476	95-160/70-120		N/A
2 ND Coat PSX1025	95-145/50-80		

WFT = Wet Film Thickness

DFT = Dry Film Thickness

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