



Quality Coatings Since 1950

IMAGE METALLIC

Polyurethane Coating System

Colour

Data Sheet No. 1060/101

Date of Issue: 24 / 11 / 06

Description

Two pack polyurethane coating system designed to adhere to glass surfaces. The Image Glass Coating is an innovative system that is part of Pylon's Image Gloss polyurethane range. It is a user-friendly system that comes in a vast range of colours.

Principal Uses

- Internal MDF board surfaces
- Glass splashbacks
- Shop fitting

Features & Benefits

- Unlimited range of colours
- Special effects
- Easy to use system
- Superior opacity / coverage
- Resistance to high moisture

Availability

A vast range of colours.

Gloss, Semi-Gloss, Satin, Flat

Please Note: Gloss ratio's will vary pending dry film Thickness, application technique and substrate.

Hardener

Medium Hardener	704 Hardener
Slow Hardener	706 Hardener

Equipment Wash

Clean all equipment using Pylon Thinner C or Solvent MEK.

Data Sheet Procedure

Pylon Coatings advises that this data sheet and the relevant MSDS must be completely read and understood prior to application.



Application

By spray application in a suitable and approved spray booth.

Wet Film Thickness (WFT)

125 - 175 microns wet, per coat (*ref. pg. 3*).

Theoretical Coverage

Flat Panels: 6 - 8 metres²/Lt



Mixing & Thinning

Following surface preparation (*ref. pg. 3*), stir thoroughly with a flat blade .

Mix by Volume, 2 parts A to 1 part B.

Leave to stand for 10 minutes.

Add thinner to suit & re-mix, (*ref. pg. 2*).

Medium Thinner Thinner 275

Slow Thinner Thinner 290



Drying Times @ 25° C

Dust Free	15 – 20 mins
Print Free	40 – 60 mins
Re-Coat	2 – 3 hrs
Hard Dry	6 – 7 days



Pot Life @ 25° C

4 - 6 hours depending on humidity. Elevated climate will reduce pot-life.



Solid Content - White

By Weight 65%

Packaging



Part A	1Lt	2Lt	4Lt	20Lt	
Part B	1Lt	2Lt	4Lt	10Lt	20Lt



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Application System Guide

(based at 25° C and 60% humidity)

	<u>% Thinners</u>	<u>Fluid Nozzle</u>	<u>Air Pressure</u> 			
			<u>Gun</u>	<u>Pot Pressure</u>	<u>Pump</u>	<u>Pump Ratio</u>
Suction Pot	50 – 100%	1.2 – 1.5mm	40 – 55psi			
Gravity Pot	50 – 100%	1.2 – 1.5mm	40 – 50psi			
Pressure Pot	<i>Not</i>	<i>Suggested</i>				
Air Assisted Airless	<i>Not</i>	<i>Suggested</i>				
Straight Airless	<i>Not</i>	<i>Suggested</i>				

- **HVLP;** set the air cap pressure at 10psi and use the guide as indicated for suction pot.

Viscosity

at 25° C, measured with a B4 cup, + or – 3 seconds

White = 25 seconds
(pre-mixed with 704 Hardener)

Colours

Metallic colours: available using several different grades of metallic and pearl bases.

The variations of these special effects are unlimited due to the unlimited possibilities of the base colours selected, along with variations in application techniques.

Colour matching is not available with metallic colours.



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Finishing Specifications

Step 1 – Undercoat / Base Coat

a) Following preparation of the substrate, use the selected colour in either Image 740 White Undercoat (tinted), Image 730 Clear Sealer (tinted) or a suitable polyester undercoat. Refer to relevant relevant data sheets

** Please Note: The colour of the base coat is extremely important as it will determine the colour of the finish. For Pylons Image range, Pylon tinters should be used to colour the 740 and the 730.*

b) Allow a sufficient amount of time to cure, then lightly sand and wipe off the excess sand dust with an air gun, and a clean lint free cloth, before proceeding to Step 2.

Step 2 Metallic Coat

a) Use a flat blade to thoroughly mix Part A and Part B separately.

b) Use the selected Image Metallic colour and mix as follows:

Mixing by Volume Mixing Ratio 2 Parts A : 1 Part B

Using a flat blade to thoroughly mix a sufficient amount of the coating to suit the job. Let the mixture stand for 10 minutes.

c) Add approx. 50 – 100% Thinner 275, and the mix thoroughly with a flat blade.

d) Reduce air pressure and apply a light coat. The application of the metallic at this stage will determine the colour and effect that will be achieved.

DO NOT SAND.

** Please Note: If you apply a coat of Image Metallic too heavy, you have a chance of flooding the metallic particles and losing the effect. We suggest that you always maintain records of the technique used for this system so that you can replicate the finish.*

Step 3 Finish Coat

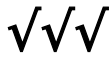
a) Following Step 2, allow 15 – 30 minutes to dry (do not bake), then apply a coat of pre-mixed Image Clear to suit the gloss level required.

b) Allow the clear to dry, and apply a further coat if necessary.

Metallic colours: available using several different grades of metallic and pearl bases.

The variations of these special effects are unlimited due to the unlimited possibilities of the base colours selected, along with variations in application techniques. Colour matching is not available with metallic colours.

Baking; allow the coating to flash off for a minimum of 40 – 60 minutes in a clean, dust free environment, at room temperature. Following the flash off time, carefully transfer the panel, without touching the painted surface, to the oven, and bake for 1 – 2 hours up to 60° C.



Application Tips

- Following the first coat, inspect the surface for any foreign objects, and if spotted, act quickly by using fine tweezers or a fine blade to remove particles.
- For large panels, widen the fan, and increase the material control. Test before proceeding to see if it suits your requirement.
- Pylon tinters are all lead-free, therefore bright colours will have a lower opacity / coverage than pastel shades. With this in mind, you may need to pay more attention to brighter colours by allowing an extra double header coat with sufficient time (20 seconds) to flash off, and changing direction each spray pass.

Thinner Selection

Glass Adhesion Thinner Thinner 280

Thinners 280 **MUST** be used for this system in both Step 2 and in Step 3, as it had been specifically formulated to create a bonding process that will optimise adhesion of the Image Gloss to the glass surface.

Glazing Information

- When installing the painted glass panel, handle with care, do not touch or scratch the coated surface.
- Do not place hand marks or any other items that may contaminate the coated surface before installation.
- Use an approved neutral cure “mirror and glazing” silicone.
- When applying the silicone, all glazers should refer to the Standards Australia Glass and Glazing Handbook 1998 that states, “silicone be applied in vertical strips and never in blobs”, zigzag patterns should also be avoided.
- Do not use silicones that contain mould/mildew agents as this can react with Pylon’s metallic coating range.



Storage Instructions

Store in an approved dangerous goods cabinet or bunker.

Shelf life; 12 months if unopened and stored in dry condition below 35° C.

Opened product should be used within 6 months.



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Health and Safety

Ensure that all individuals using this product have read and understood this data sheet and the related MSDS.

Sanding dust and spray mist are produced when using this product, so operators should comply with the following guidelines:

- application to take place in a well-exhausted spray booth that complies with AS 4114;
- wear a cartridge respirator conforming to AS/NZ 1715/16 – 1994;
- wear eye protection glasses or goggles conforming to AS/NZ 2161-1978;
- wear ear protection if the noise level is above 85 dB. AS/NZ 1270-1988;
- avoid contact with skin and eyes and avoid breathing the vapour or spray mist;
- wear suitable protective clothing including rubber or PVC gloves and safety goggles;
- when using the product, do not eat or smoke;
- keep away from heat and naked flame as this is a flammable liquid;
- if poisoning occurs DO NOT induce vomiting, give a glass of water and contact a doctor or the **Poisons Information Centre ph: 131 126.**

Do not use if you have chronic (long term) lung or breathing problems.



Warnings

Pylon Coatings advises that:

- you review, understand and follow this data sheet and the MSDS before use;
- we only recognise a coating system that has been exclusively used with Pylon products;
- the total dry film thickness should not exceed 175 microns,;
- Image Metallic should be tested on the selected substrate before proceeding;
- Image Metallic is not recommended for any surface that will be submerged in water;
- Image Metallic is for selected internal glass surfaces;
- Image Metallic colour should be chosen carefully considering as the colour of the paint will vary to the colour seen due to the clear “green” tint effect from the glass;
- Image Metallic should always be used behind the glass surface and therefore not be exposed;
- Image Metallic should only be applied when temperatures are between 30° C and 10° C.
- Image Metallic is a specialised industrial coating and should only be applied by experienced and competent tradespeople;
- the glass panel should always be installed on a flat surface.

Condition of Use

All Pylon Coatings products are manufactured from high-grade materials to a rigid quality assured system ISO 2001. We have no control over the conditions under which these products are stored, transported, handled or used, so customers are advised to test the product before adapting them to their own use. The information contained in this data sheet is based on data appraised in our own laboratories and from comprehensive market research. Pylon Coatings can only control the quality and formulation of our own products, and have no control over the quality or consistency of other products or substrates to which the products are being applied. Due to the possible variations between our controlled laboratory test conditions and techniques, differences in application and the vast range of substrates in today’s market, Pylon Coatings supplies its products only on the condition that the consumer is satisfied with the performance of the product in meeting their requirements.