



# IMAGE

Polyurethane

700 Series

**Clear & Pigmented**

**DATA SHEET**  
 PU/700/031007/TC

## General Characteristics

Two pack polyurethane coating for interior surfaces. *Pylon's* Image is a premium quality polyurethane system, available in clear, pigmented, metallic and pearl finishes. Image has been formulated for interior timber, veneer, M.D.F. and particle board surfaces.

## Features & Benefits

- ✓ High solids / build
- ✓ Hard resistance
- ✓ Excellent flow & levelling
- ✓ Fast drying
- ✓ Smooth finish
- ✓ Superior sheen with gloss finishes
- ✓ High opacity for colours
- ✓ Common hardener

## Principal Uses

Ideally used to finish high quality timber furniture, kitchen doors, bench tops, commercial furniture, vanities and other areas that require heavy wear resistance.

## Hardener

704 Medium Hardener

706 Slow Hardener

## Pot Life

Estimated pot life at 25° is 4 hours.  
 Elevated temperature will reduce pot-life.

## Cleaning Equipment

M.E.K.



### Mixing Instructions

Stir Part A until uniform consistency, then add recommended Part B as follows:-  
**Mix by Volume, 2 parts A to 1 part B**  
 Once added together, stir thoroughly with a flat blade and **leave to stand / digest for 15 minutes**. Following this, remix with the correct percentage of thinners before use.



### Thinning

Total Thinner is 5 – 25% of either;

FAST	Thinner 270
MEDIUM	Thinner 275
SLOW	Thinner 290

- Based on temperature below 28°C
- A blend can be used to achieve ultimate results
- Ref to Image "Tech Table"



### Drying Times @ 25° C

- Dust Free 20 mins
- Touch Dry 40 mins
- Sanding 3 – 4 hrs
- Recoating Time 3 - 4 hrs min
- Full Cure 7 days



### Theoretical Coverage @ 100 Microns Wet, per Lt

Flat Panels: 8-10 metres<sup>2</sup>



### Packaging

<b>Part A</b>	1Lt & 2Lt colours	4Lt	20Lt
<b>Part B</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>
<b>Suction Pot</b>	10 – 20%	1.2 – 1.6mm	30 – 50psi	N/A	N/A	N/A
<b>Gravity Pot</b>	10 – 20%	1.2 – 6mm	30 – 50psi	N/A	N/A	N/A
<b>Pressure Pot</b>	5 – 10%	1.0 – 2mm	30 – 50psi	10 – 30psi	N/A	N/A
<b>Air Assisted Airless</b>	0 – 5%	10 – 14 thou	N/A	N/A	1000 – 1500psi	
<b>Straight Airless</b>	0 – 5%	8 – 12 thou	N/A	N/A	1000 – 1500psi	

- **HVLP**; set the air cap pressure at 10psi and use the guide as indicated for suction pot.
- *Please note:* For airless systems use a “Fine Finish Tip” for a superior finish

## Image Codes for Top Coats

- |                              |                              |
|------------------------------|------------------------------|
| * 700 Image Colours          | * 779 Image Clear Gloss      |
| * 746 Image White Semi-Gloss | * 736 Image Clear Semi-Gloss |
| * 743 Image White Satin      | * 733 Image Clear Satin      |
| * 741 Image White Flat       | * 731 Image Clear Flat       |
| * 789 Image White Gloss      |                              |



## Surface Preparation

- 1) Surface must be clean, dry and free from dust, grease, dirt and all other contaminants before proceeding.
- 2) Fill small defects, cracks and holes with a suitable putty. Allow sufficient time to dry as per specifications.
- 3) **Sanding**
  - a. Wood substrates; use 180 - 280 grit free-cut sandpaper with the grain until the surface is smooth and even.
  - b. MDF board; use 220 - 280 grit free-cut sandpaper paying special attention to all mouldings. Sand until the surface is smooth and even.
- 4) Remove all sanding dust using an air gun and clean with a lint free cloth.



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## Finishing Specifications

When using a conventional spray gun apply a tack coat and allow to flash off for 3 – 5 minutes. Then apply two even wet coats allowing 5 to 10 minutes flash off between coats to give approximately 100 microns wet film thickness. Optimum results (higher build and superior gloss) will be achieved if re-coated after a minimum of 4 hours.



## Application Tips

- If orange peel occurs; either reduce the air pressure, add more thinners or use a slow thinner to suit.
- *Pylon's* polyurethane thinners can be blended to suit individual application techniques and/or weather conditions
- If pin holes occur, either apply a lighter coat or add a slower thinner.

## Thinners Selection

<b>Fast</b>	Thinners 270
<b>Medium</b>	Thinners 275
<b>Slow</b>	Thinners 290



## Storage Instructions

Store in an approved dangerous goods cabinet or bunker in dry condition below 35° C.

**Shelf life;** Part A - 12 months if unopened and Part B - 6 months if unopened  
**Opened products** 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, consume 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 165 microns,;
- Image should be tested on the selected substrate before proceeding;
- Image is not recommended for any surface that will be submerged in water;
- Image is for selected internal surfaces;
- Image should always be used behind the glass surface and therefore not be exposed;
- Image should only be applied when temperatures are between 10° C and 30° C.
- Image is a specialised industrial coating and should only be applied by experienced and competent tradespeople.

## 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.