



6 Margate Street
 Botany NSW 2019
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www.pylon.com.au

IMAGE

Polyurethane

740 White Undercoat

730 Clear Sealer

DATA SHEET
 PU/700/080205/UCS

General Characteristics

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

Features & Benefits

- ✓ High solids / build
- ✓ Fast drying
- ✓ Excellent levelling properties
- ✓ High opacity (740 White)
- ✓ Common fast hardener
- ✓ Excellent sanding features
- ✓ Exceptional sealing qualities

Principal Uses

Ideally used to seal or undercoat interior timber, veneer, M.D.F. and particle board surfaces in preparation for Image top coat.

Hardener

702 Fast Hardener, is designed for use with the 730 Clear Sealer. For hotter climates where solvent boil may arise, the **704 Medium Hardener** is recommended.

704 Medium Hardener, is designed for use with the 740 White Undercoat.

Pot Life

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

Cleaning Equipment

MEK



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

740 White Undercoat

Total Thinner = 20 – 35%

730 Clear Sealer

Total Thinner = 10 – 20%

FAST Thinner 270

MEDIUM Thinner 275

- Based on temperature below 28°C
- Use Medium Thinner 275 in hotter climates



Drying Times @ 25° C

- Dust Free 15 mins
- Touch Dry 30 mins
- Sanding 2 – 3 hrs
- Top coat 3 - 4 hrs min



Theoretical Coverage @ 100 Microns Wet, per Lt

Flat Panels: 8-9 metres²



Packaging

Part A	1Lt	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		1.5 – 2mm	30 – 50psi			
Gravity Pot		1.5 – 2mm	30 – 50psi			
Pressure Pot		1.0 – 2mm		10 – 30psi		
Air Assisted Airless		11 – 13 thou			1000 – 1500psi	12 – 20:1
Straight Airless		N/A				

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

Viscosity

at 25° C, measured with a Ford 4 cup, + or – 3 seconds

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 lint free cloths.



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Staining and Sealing

Staining: If staining required stain the surface using Pylon's Fast Stain, Uni Stain, Wood Stain or Nitro Stain. Note: Cannot tone with Polyurethane.

Sealing: Apply one to two coats by conventional spray. Best results are obtained by using a medium fan-setting and apply full wet coats.

Finishing Specifications

To obtain maximum adhesion, overcoat within 72 hours. Sand with 320 – 400 grade fre-cut paper, and remove all sanding dust. Apply one of the following Pylon range of finish coats, depending on required result. Recommended finish included Pylon Image colours and Image metallic.



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

Fast	Thinners 270
Medium	Thinners 275



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.