



6 Margate Street, Botany NSW 2019
 P: (02) 9316 8034 F: (02) 9316 5474
 E: sales@pylon.com.au
 W: www.pylon.com.au

IMAGE

Polyurethane GLASS SYSTEM

DATA SHEET
 DS Ref: ISHB210814



Manufactured under a certified quality assured system

Product Description

An innovative gloss two pack polyurethane system for use on interior glass surfaces. The Image Glass System has many benefits including a user-friendly application system, a vast range of colours, special finishes and excellent opacity.

Principal Uses

- * Glass splashbacks
- * Glass furniture
- * Decorative glass

Features & Benefits

- * Excellent opacity / coverage
- * Excellent adhesion to glass substrates
- * Fast drying
- * Available in metallic's & pearl finishes
- * Thinners 280 is a glass adhesion promoter formulated to be used in conjunction with Image Gloss 700 pigmented series.
- * User-friendly system



Solid Content mixed (2 parts A & 1 part B)

White Gloss Base 62%
Clear Gloss Base 48%



Theoretical Coverage

White Base 5-6m² @ 150 WFT (wet film thickness)
Clear Base 4-5m² @ 150 WFT (wet film thickness)



Packaging

Part A White 4Lt 20Lt
Colours 1Lt to 20Lt
Part B 1Lt 2Lt 4Lts 10Lt



Mixing Instructions

Use a flat blade stirrer for **Part A** before and after adding **Part B** hardener.

Mix by volume:- 2 Parts A to 1 Part B

Stir thoroughly and leave to stand for 10 minutes.

Add 10-20% Thinner 280 and re-mix.

Warning:- A min 10% of Thinner 280 is required to complete the adhesion process.

Hardener

704 Medium

Refer to Pylon technical team



Thinning

Thinners 280

* Add between 10 – 20% refer to page 2 'Application System Guide'.



Drying Times

Dust Free	20 mins
Touch Dry	40 mins
Recoat	3-4 hrs
Full Cure	7 days

Tested at 25° C & 60% relative humidity
 @ 150 micron WFT



Pot Life
 3-4 hours

This data sheet and the relevant MSDS must be read and understood prior to application.



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Application System Guide

(based at 25° C and 60% humidity)

	% Thinners		Tip Size	Air Pressure		
	White Base	Clear Base		Gun	Pressure Pot	Pump
Suction Pot	15 - 20%	10 - 15%	1.2 - 1.6mm	30 - 45psi	N/A	N/A
Gravity Pot	15 - 20%	10 - 15%	1.2 - 1.6mm	30 - 45psi	N/A	N/A
Pressure Pot	15 - 20%	10 - 15%	1.2 - 1.6mm	30 - 45psi	6-10psi	N/A

- Refer to Pylon technical team for your specific requirements

Equipment Cleaning

MEK or Thinners C

Application Guidance

- Following the first coat, inspect the surface for any foreign objects, and if spotted, act quickly by using fine tweezers for 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 colour will have a lower opacity/coverage than pastel shades. With this in mind brighter colours may require an extra double header coat and we advice a suitable coloured backing coat.

Refer to Pylon technical team for your specific requirements on this process.

Storage Instructions

Store in an approved dangerous goods cabinet or bunker in dry condition below 30° C.

Shelf life; Part A - 12 months unopened and Part B - 6 months unopened.

Opened products; Part A - 6 months and Part B - 3 months.

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Application System

Surface Preparation

Step 1

Clean Glass

1a Saturate a clean lint free cloth with Pylon's Glass Cleaning Solution and thoroughly wash the glass panel.

1b Use a dry clean lint free cloth to wipe off the glass cleaning solution and ensure that there are no traces of grease, hand marks, dirt or any foreign contaminants.

1c Once the solution is totally wiped off and the surface is free of any contaminants, move to Step 2 without delay.

Step 2

Glass Adhesion Promoter

Thinner 280 is a glass etching thinner and **MUST** be used during this process (Step 2 & also in Step 3c)

2a Application of Thinner 280

Option 1 – Spray; using a conventional spray gun, or with a spray bottle. Apply a uniformed wet coat of Thinners 280. Leave the surface wet.

Option 2 - Wipe; use a clean lint free cloth, saturate the cloth with Pylon's Thinner 280. Apply liberally, keeping the thinner on the glass surface uniformed and wet. Leave the surface wet.

2b Dry; allow 3 – 5 minutes in a clean, dust free environment ensuring that the surface does not obtain any contaminants including hand marks. If contamination occurs re-do steps 1 & 2.

2c Remove the excess thinner gently with a dry clean lint free cloth using circular motions, paying special attention to the outside edges. Once the thinner appears to be evaporating, do a final wipe from one end to the other end of the panel making sure that any thinner is removed. A slight hazy appearance should remain and noticeable on the surface of the glass.

NOTE: Thinners 280 **MUST** be used for this process as it has been specifically formulated for this system to create an etch to the glass in preparation for the Image top-coat.



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Finishing Specifications

Step 3

Mixing Instructions

3a Use a flat blade to thoroughly mix Part A and ensure that Part B is also agitated.

3b Thoroughly mix **2 Parts A (colour) to 1 Part B (hardener)** using a flat blade.

3c Add Thinners 280, refer to page 2 “Application System Guide” for percentage of thinners required. Mix thoroughly with a flat blade.

Please Note: It is essential to use a minimum of 10% of Pylon’s Thinners 280 to the Image Gloss colour as it completes the glass adhesion process.

Step 4

Finish Coat

4a White & Pastel Colours:- Apply a light coat, followed by 2 or 3 double header cross-hatch coats. Apply a backing coat if required.

4b Clear Base Colours:- Apply a light coat, followed by 2 or 3 double header cross-hatch coats. Allow approx. 10 mins to flash off, then apply a suitable coloured backing coat as per Step 4a.

4c Metallic & Pearl Finishes:- Refer to Pylon technical team for advice.

Step 5

Drying Process

5a Air dry; Keep in a clean dust free environment for 2 – 4 hours depending on temperature.

5b Baking; Allow the coating to flash off for a minimum of 40 – 60 minutes in a clean, dust free environment, at room temperature, then bake for 1 – 2 hours up to 45-50° C.

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.

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Warnings

Pylon Coatings advises that:

- you review, understand and follow this data sheet and the MSDS before use;
- it will only supports a coating system that is exclusively Pylon products;
- Image should be tested on the selected substrate before proceeding;
- Colours will vary depending on type of glass used;
- the total dry film thickness should not exceed 200 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 developed for internal surfaces;
- Image should only be applied when temperatures are above 10° C and below 35° C;
- Image may not properly cure whilst temperatures are below 10° 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 raw materials to ISO 2008 quality assured system. 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 laboratory and from comprehensive market research. Pylon Coatings can only control the quality and formulation of our own products, and therefore have no responsibility over the quality or consistency of other company's products or substrates that the products are being applied on. Due to the possible variations between our controlled laboratory test conditions and techniques, differences in application and the 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.

This data sheet and the relevant MSDS must be read and understood prior to application.

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