



6 Margate Street, Botany NSW 2019  
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# HY-TECH

## Pre-Catalysed Lacquer PIGMENTED & CLEAR

**GLOSS, SEMI-GLOSS, SATIN & FLAT**

**DATA SHEET**  
 DS Ref: HYC140814



Manufactured under a certified quality assured system

### Product Description

Hy-Tech is a premium grade single pack pre-catalysed lacquer formulated for use on interior timber, veneer and MDF substrates. Hy-Tech has a smooth 'off the gun' finish, is quick drying and is a user friendly coatings. Hy-Tech can be used as a self-sealing coating or in conjunction with Pylon's Quick-Seal, Top-Seal HB or All-Seal White Undercoat.

### Principal Uses

- \* Commercial & domestic furniture
- \* Shop fitting & joinery
- \* Built-in wardrobes
- \* Internal doors
- \* Furniture restoration

### Features & Benefits

- \* Good heat, alcohol & water resistance
- \* Quick drying
- \* Smooth finish
- \* Excellent flow & self-levelling
- \* Ease of application
- \* User-friendly system



### Solid Content

**Clear** 27%  
**Pigmented (pastel)** 38%



### Theoretical Coverage

5 - 6m<sup>2</sup> @ 180 WFT (wet film thickness)



### Packaging

4Lt      20Lt      200Lt



### Mixing Instructions

Use a flat blade and stir thoroughly.  
 \* Add appropriate thinner and re stir.



### Thinning

\* Add between 5 – 30% refer to page 2 'Application System Guide'.

<b>Fast</b>	Thinners C
<b>Medium</b>	Thinners A
<b>Slow</b>	* Retarder Thinners

\* Recommended to be blended with either Thinners C or Thinners A

Refer to Pylon technical team



### Drying Times

Dust Free	5-10 mins
Touch Dry	15-20 mins
Sanding / Recoat	60-90 mins
Full Cure	7 days

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



### Pot Life

N/A



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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
<b>Suction Pot</b>	25 - 35%	20 - 30%	1.8 – 2.0mm	30 - 45psi	N/A	N/A
<b>Gravity Pot</b>	25 - 35%	20 - 30%	1.8 – 2.0mm	30 - 45psi	N/A	N/A
<b>Pressure Pot</b>	25 - 35%	20 - 30%	1.8 – 2.0mm	30 - 45psi	6-10psi	N/A
<b>Air Assisted Airless</b>	15 - 20%	10 - 15%	11 – 13 thou	N / A	N / A	1000 - 1500psi
<b>Straight Airless</b>	10 - 15%	5 - 10%	11 – 13 thou	N / A	N / A	1000 - 1500psi

- Refer to Pylon technical team for your specific requirements

### Equipment Cleaning

MEK or Thinners C

### Surface Preparation

- 1) All surfaces must be clean, dry and free from dust, grease, dirt and all other contaminants before proceeding and throughout the entire coating process.
- 2) For raw substrates fill small defects, cracks and holes with a suitable putty; allow sufficient time to dry as per manufacturers specifications.
- 3) **Sanding**
  - a. **Sealed or Undercoated Surfaces:** Sand with the grain using 220 – 320 grit free-cut sandpaper.
  - b. **Raw Timber & Veneers:** Sand with the grain using 180 - 240 grit free-cut sandpaper.
  - c. **Raw MDF:** Sand with 150 then 220 grit free-cut sandpaper.

Remove sanding dust from the grain cells / fibres using an air gun and a lint free cloth.

### Application Guidance

- Due to numerous species of timbers and veneers in today's market, we advise that you contact Pylon's technical team for your specific requirements.

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



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### Problem Solving

- **Orange peel;** reduce the air pressure and/or adjust thinning ratio.
- **Solvent boil;** apply lighter coats, use a slower thinners blend or allow a longer flash off time.

*Refer to Pylon technical team if you experience other problems during the application process.*

### Storage Instructions

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

**Shelf life;** 12 months unopened;

**Opened products;** 6 months.

### Warnings

Pylon Coatings advises that:

- you review, understand and follow this data sheet and the MSDS before use;
- it will only support a coating system that is exclusively Pylon products;
- the total dry film thickness should not exceed 200 microns;
- Hy-Tech should be tested on the selected substrate before proceeding;
- Hy-Tech is not recommended for any surface that will be submerged in water;
- Hy-Tech is for selected internal surfaces;
- Hy-Tech should only be applied when temperatures are above 10° C and below 35° C;
- Hy-Tech may not cure properly whilst temperatures are below 10° C;
- Hy-Tech 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 our 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.