



Quality Coatings Since 1950

FAST STAIN

Dye Stain
Colour

Data Sheet No. 1051/101

Date of Issue: 24 / 11 / 06

Description

A quick drying synthetic dye solution, used to stain veneer and timber surfaces, mainly by spraying. A range of standard colours are available, with a colour matching service available upon request.

Principal Uses

- Stain for timber & veneer substrates
- Stain for all of Pylon's coating range

Features & Benefits

- Fast drying
- Used as a tinter in certain clear coatings
- Spray application
- Vast range of colours
- Exceptional clarity of colour
- Fast drying
- Excellent colour accuracy & consistency
- Accurate colour matching

Availability

Primary colours, traditional timber colours and exclusively matched colours on request.

Gloss Ratio: N/A

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) N/A

Theoretical Coverage for flat panels

Spray Application: 7 – 9 metres²/Lt

Wiped On: 12 – 14 metres²/Lt



Mixing & Thinning

Ready for use, though if the colour requires to be lightened, use Pylon thinners as indicated:

Fast Thinners C

Slow Solvent 260



Drying Times @ 25° C

Dust Free 5 mins

Print Free 10 mins

Top Coat 30 mins

Hard Dry N/A



Pot Life

N/A



Solid Content

By Weight N/A

Packaging



4Lt



20Lt




60Lt



200Lt

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	N/A	1.5 – 2mm	45 – 55psi			
Gravity Pot	N/A	1.5 – 2mm	40 – 50psi			
Pressure Pot	N/A	1.5 – 2mm		15 – 30psi		
Air Assisted Airless	N/A	9 – 11 thou			1000 – 1500psi	12 – 20:1
Straight Airless	N/A	9 – 11 thou			1000 – 1500psi	16 – 20:1

- **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

16 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 240 - 320 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 cloth.

Test Procedure

Before proceeding, Pylon recommends that you test the selected Fast Stain colour on an off-cut, using the application system of choice to determine if it is suitable. Please keep in mind that as the Fast Stain is a penetrating dye stain, it will vary in colour pending the selected timber species and application technique. Once the stain has adequate time to dry, apply the selected clear top-coat to observe the true colour.



Quality Coatings Since 1950

FAST STAIN

Dye Stain
Colour

Data Sheet No. 1051/101

Date of Issue: 24 / 11 / 06



Finishing Specifications

Following the preparation and test procedure, Fast Stain is primarily applied by spray.

Spray Application:

- 1) Stir contents thoroughly before use.
- 2) Apply with the grain a uniformed light to medium coat of Fast Stain. Ensure that the stain has been overlapped correctly, so the colour appears consistent over the substrate.
- 3) Following the application listed above, the stain can be wiped off with a clean dry lint free cloth, to create a more uniformed colour, or left to dry if the applicator is confident with the result. Do not sand. Allow the stain to dry, then follow with the selected sealer or top-coat to suit.

Hand Application – for experienced applicators only:

- 1) Stir contents thoroughly before use and add Solvent 260 (min. 20%, keeping in mind that it will reduce the colour) to slow down the drying time.
- 2) Using a clean lint free cloth, saturate cloth with Fast-Stain and apply with the grain a uniformed wet coat. Ensure that the stain has been overlapped correctly so that the colour appears consistent over the substrate.
- 3) Following the application listed above, the stain should be wiped off with a clean dry lint free cloth, to create a uniformed colour. Do not sand. Allow the stain to dry, then follow with the selected sealer or top-coat to suit.

Please Note: Hand application for Pylon's Fast-Stain should only be used on small items where the applicator can control the quick drying time of the stain.

Seal or Top-Coat; with a clear coating to suit your requirement.



Application Tips

- Reducing air pressure when spraying stain can allow the operator more control;
- Overlap by 1/2 of the fan width per spray pass;
- Each applicator will have a different technique to apply stain, so it is advisable to run a few tests on some off cuts before proceeding;

Thinners Selection

Fast
Slow

Thinners C
Solvent 260



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.

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;
- Fast Stain should be tested on an off-cut of the selected substrate before proceeding, as different substrates will also create variations in the result of the stain colour;
- Fast Stain is for selected internal timber and veneer;
- Fast Stain should not be exposed to extreme temperature, ultra-violet light, high humidity or severe abrasion;
- while Fast Stain will create a stain colour, it cannot protect the wood from aging from direct sun, and discolouration through the natural tannins found in the timber;
- Fast Stain is not to be applied during extreme temperatures, i.e. above 38° C and below 8° C.

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.