



Quality Coatings Since 1950

# COLOUR-CAT TINTABLE PRIMER

Acid-Catalysed Low Toxic Coating  
Tintable

Data Sheet No. 1038/101

Date of Issue: 24 / 11 / 06

## Description

A quality low formaldehyde, high build acid-catalysed tintable primer. Formulated to seal internal MDF board, timber and veneer surfaces, in preparation for Pylon's Colour-Cat top-coat. Colour-Cat Tintable Primer is a coating system designed to maximise opacity and reduce waste.

## Principal Uses

- Open grain timber and veneer
- MDF board
- Sealer for Pylon's Colour-Cat range

## Features & Benefits

- Low formaldehyde and odour
- Free of hydrocarbon solvents
- Extremely high build
- Reduces waste of Colour-Cat colours
- High opacity when tinted by 20%
- Easy sanding ability
- Great flow & levelling properties
- Superior vertical hold-up
- Limits number of coats required
- Superior vertical hold-up

## Availability

Tintable, though can be supplied already tinted (eg: white) on request.

Gloss level: Low Sheen

## 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)

125 – 175 microns wet, per coat (*ref. pg. 3*).

### Theoretical Coverage

Flat Panels: 7 – 9 metres<sup>2</sup>/Lt



## Mixing & Thinning

Mix Ratio	Part A	Part B
10 : 1	10 1Lt	1 100mls

Firstly tint before progressing (*ref. pg. 2*), then mix 10 parts "Part A" to 1 part "Part B" thoroughly with a flat stirrer, then let it stand for 10 mins before adding thinners.

**Fast** Thinners C  
**Medium** Thinners A  
**Slow** \* Ace-Cat Thinners

\* For best results, use Ace-Cat Thinners. Ace-Cat Thinners are a hydrocarbon free thinner. 5 - 30% Pylon Thinners, (*ref. pg. 2*).



## Drying Times @ 25° C

Dust Free	10 – 15 mins
Print Free	20 – 30 mins
Sand & Re-Coat	90 – 120 mins
Hard Dry	3 – 4 days



## Pot Life

24 - 48 hrs pending temperature and humidity.



## Solid Content - White

By Weight 70%


## Packaging 4.4Lt kit & 22Lt kit



Part "A" 4Lt 20Lt  
Part "B" 400ml 2 x 1Lt

## 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>	25 – 30%	1.8 – 2mm	40 – 55psi			
<b>Gravity Pot</b>	20 – 25%	1.8 – 2mm	40 – 50psi			
<b>Pressure Pot</b>	15 – 20%	1.5 – 2mm		15 – 30psi		
<b>Air Assisted Airless</b>	10 – 15%	11 – 13 thou			1000 – 1500psi	12 – 20:1
<b>Straight Airless</b>	5 – 10%	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

93 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.

## Tinting Guide

- Colour-Cat Tintable Primer has been designed to be able to be tinted by using the selected top-coat Colour-Cat colour. This will create a consistent base coat or undercoat that will seal and create the required coverage. The amount of Colour-Cat colour to tint the primer can vary from 15 – 40% depending on your requirements i.e. colour, coverage, amount of top-coat that you need to use instead of waste.
- As many popular colours are pastel or off white shades, the Colour-Cat Tintable Primer has been specifically formulated to use up these left over top-coat Colour-Cat colours to reduce wastage in your spray shop.



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## Finishing Specifications

- 1) Following the finishing preparation and the tinting guide, remove all sanding dust using an air gun and a clean lint free cloth.
- 2) **Application Tip:** For best results, apply a light dust coat onto the substrate, leave for approx. 10 – 20 mins, then apply a wet coat (WFT 125 – 175 microns). This will assist in sealing MDF board and also reduce the chance of bubbling with timber and veneer substrates.
- 3) Allow 90 – 150 mins to dry depending on temperature, or leave to dry overnight for best results.
- 4) Sand using 180 - 240 grit free-cut sandpaper paying special attention to all edges and mouldings. Sand until the surface is smooth and even. If necessary, repeat steps 2 and 3 ensuring that the maximum build does not exceed a dry film thickness of 75 microns, therefore a total of 2 coats when using a conventional spray, or 1 coat by airless spray.
- 5) Proceed to suitable top coat.



## Application Tips

- A light dustcoat for the first coat on MDF board will assist in sealing. Also a dust coat to seal raw timber and veneer substrates will reduce bubbling;
- If orange peel occurs, either reduce the air pressure, add more thinners or use a slow thinner to suit;
- If pin holes occur, try to apply a lighter coat or add a slower thinner;
- If blooming or chilling occurs add a slow retarder thinner.

## Thinners Selection

<b>Fast</b>	Thinners C
<b>Medium</b>	Thinners A
<b>Medium</b>	Ace-Cat Thinners

Ace-Cat Thinners are the recommended thinners, as they will enhance the flow, and levelling of the coating. Ace-Cat Thinners are a hydrocarbon free thinner. Thinners C or A can be used in cold climates to speed up the drying process.



## 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.

## 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;
- the total dry film thickness should not exceed 150 microns, as excessive build can lead to stress cracking as the substrate adjusts to its new conditions of temperature and moisture;
- Colour-Cat Primer should be tested on an off-cut of the selected substrate before proceeding;
- Colour-Cat Primer is not recommended in high moisture areas, eg; bathroom fixtures & vanities, kitchen bench tops, bar tops, etc;
- Colour-Cat Primer is for selected internal timber, veneer and MDF surfaces;
- Colour-Cat Primer should not be used directly on timber and veneers that have an uneven moisture content such as Beech. Use Pylon's Image polyurethane to seal the surface in preparation;
- Colour-Cat Primer should not be exposed to extreme temperature, ultra-violet light, high humidity or severe abrasion;
- while Colour-Cat Primer will create an excellent protective film, it cannot protect the wood from aging from direct sun, and discolouration through the natural tannins found in the timber;
- Colour-Cat Primer is not to be applied during extreme temperatures, i.e. above 38° C and below 10° 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.