



Quality Coatings Since 1950

Data Sheet No. 1030/101

# TOP-SEAL HB

Pre-Catalysed Sanding Sealer  
Clear

Date of Issue: 24 / 11 / 06

## Description

A high build single pack pre-catalysed clear sanding sealer for use on interior timber surfaces, containing a wax inhibitor that helps seals MDF board. Pylons Top-Seal HB (HB=high build) has been specifically formulated as a sealer coat in preparation for Pylons pre-catalysed lacquer range.

## Principal Uses

- Open grain timber and veneers
- MDF Board
- Sealer for Pylon's single-pack clear range

## Features & Benefits

- High build / solid content
- Fast drying
- Easy sanding ability
- Wax inhibitor for MDF surfaces
- Excellent flow & levelling
- Superior vertical hold-up
- Assists for open grain timbers
- Easy to use
- Limits number of coats required

## Availability

Clear sealer is standard, though Top-Seal HB may be tinted on request.

Colour: Clear

Gloss Ratio: 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: 8 – 10 metres<sup>2</sup>/Lt



## Mixing & Thinning

Stir contents thoroughly with a flat stirrer before and after adding thinners.

5% - 35% of recommended Pylon Thinner pending system (*ref. pg. 2*).

**Fast** Thinners C

**Medium** Thinners A

**Slow** Retarder Thinners



## Drying Times @ 25° C

**Dust Free** 5 – 10 mins

**Print Free** 10 – 20 mins

**Sand & Re-Coat** 60 – 90 mins

**Hard Dry** 2 – 3 days



## Pot Life

N/A, though evaporation may occur over time and therefore extra thinners will be required.



## Solid Content

By Weight 37%

## Packaging



4Lt



20Lt




200Lt

# TOP-SEAL HB

Pre-Catalysed Sanding Sealer  
Clear

## 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 – 35%	1.8 – 2mm	40 – 55psi			
<b>Gravity Pot</b>	20 – 30%	1.8 – 2mm	40 – 50psi			
<b>Pressure Pot</b>	10 – 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%	11 – 13 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

85 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 150 - 240 grit free-cut sandpaper with the grain until the surface is smooth and even.
  - b. MDF board; use 180 - 240 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 a clean lint free cloth.

## Staining, Toning and Tinting

- **Staining;** following the preparation, apply a suitable stain and colour from Pylon's range.
- **Toning;** extra colour depth can be achieved by adding up to 10% by volume of Pylon Fast Stain. Toning is advised in the 2<sup>nd</sup> coat.
- **Tinting;** A concentrated tinter is available from Pylon to create deep coloured sealers. Add the selected tinter (max. 10% by volume) and agitate till the colour is consistently dispersed.



Quality Coatings Since 1950

Data Sheet No. 1030/101

# TOP-SEAL HB

Pre-Catalysed Sanding Sealer  
Clear

Date of Issue: 24 / 11 / 06



## Finishing Specifications

- 1) Following the surface preparation remove all sanding dust using an air gun and a clean lint free cloth.
- 2) **Application;** apply a coat of pre-mixed Top-Seal HB as per the *application system guide* listed on page 2.  
**Application Tip:** For best results with Pylon's Top-Seal HB, apply a light dust coat onto the substrate, leave for approx. 5 – 15 mins, then apply a wet coat (WFT 125 – 175 microns), this will assist in sealing MDF board and reduce the chance of bubbling in open grain timber and veneers.
- 3) Allow 60 – 90 mins to dry depending on temperature, or leave to dry overnight for best results.
- 4) Sand using 220 - 280 grit free-cut sandpaper paying special attention to the 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, either 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>Slow</b>	Retarder Thinners

A fast thinner is usually suggested for the Top-Seal HB as this will make the coating more efficient and also assist the sealing ability. Medium and slow thinners are only suggested for use in hot and/or humid conditions (temp. 28° C to 38° C) and assist with large flat surfaces to slow down the flash off time. A blend of the thinners to suit can often achieve the best results.



## 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.

Pylon Coatings Pty Ltd 6 Margate Street, Botany NSW 2019  
ph: 02 9316 8034 fx: 02 9316 5474 web: www.pylon.com.au



Quality Coatings Since 1950

Data Sheet No. 1030/101

# TOP-SEAL HB

Pre-Catalysed Sanding Sealer  
Clear

Date of Issue: 24 / 11 / 06

## 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;
- Top-Seal HB should be tested on an off-cut of the selected substrate before proceeding;
- Top-Seal HB is not recommended in high moisture areas, eg; bathroom fixtures & vanities, kitchen bench tops, bar tops, etc;
- Top-Seal HB is for selected internal timber, veneer and MDF surfaces;
- Top-Seal HB 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;
- Top-Seal HB should not be exposed to extreme temperature, ultra-violet light, high humidity or severe abrasion;
- while Top-Seal HB 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;
- Top-Seal HB 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.