# PRODUCT DATA SHEET

## ACID CATALYST ENAMEL

<table>
<thead>
<tr>
<th>General:</th>
<th>A range of pigmented two-pack lacquers designed for use over Acid Catalyst Primer on wood-based substrates.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Codes:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Standard range:</strong></td>
<td>Product</td>
</tr>
<tr>
<td>Acid Catalyst White Primer</td>
<td>N/A</td>
</tr>
<tr>
<td>Acid Catalyst White Matt</td>
<td>10%</td>
</tr>
<tr>
<td>Acid Catalyst White Semi Matt</td>
<td>20%</td>
</tr>
<tr>
<td>Acid Catalyst White Satin</td>
<td>40%</td>
</tr>
<tr>
<td>Acid Catalyst White Gloss</td>
<td>90%</td>
</tr>
<tr>
<td>Acid Catalyst</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Other colours:</strong></td>
<td>May be colour matched on request (see below)</td>
</tr>
<tr>
<td><strong>Technical Data:</strong></td>
<td>Mylands Acid Catalyst Enamels are two-pack pigmented lacquers which are designed for use as a topcoat over Acid Catalyst Primer on wood-based substrates, such as MDF. They require catalysation at 10:1 by volume with Acid Catalyst, 12 834 1570, before use. The enamels are available as white in a range of sheen levels as standard, but may be tinted to any colour (see below). These enamels offer a high standard of resistance to abrasion, wet and dry heat and spirit solutions. The enamels have been formulated to have low Formaldehyde emission. It is important that the correct amount of catalyst is used with these products as any variation can result in application problems, poor drying and/or poor dry film properties. Once activated, the enamel will have a <strong>pot-life</strong> of 24 - 36 hours (depending on ambient temperature), after which time it will progressively thicken and finally gel. It is suggested that only the amount of product which will be used in a working day is activated.</td>
</tr>
<tr>
<td><strong>Application:</strong></td>
<td>Always stir the product well before use to ensure all settlement is</td>
</tr>
</tbody>
</table>

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*This document is a product data sheet for Acid Catalyst Enamels by Mylands.*
### Application (contd):

reincorporated, as insufficient reincorporation will affect the performance. It is important to stir rather than shake as shaking does not always mix in the settlement well enough.
Check colour and sheen before use.
Before use, catalyse the enamel 10:1 by volume with Acid Catalyst, 12 834 1570 - ensure that this activation ratio is accurately measured or inferior properties may result (see Technical Data above).
Catalysed enamel left overnight should be adjusted for viscosity and mixed 1:1 with freshly activated product prior to use.
A minimum spray shop temperature of 15°C is advised when using these products.
These enamels are normally applied by spray methods – Conventional, Compliant, HVLP and Air Assisted Spray are all suitable.
For hand gun application a pressure of 2.5 - 3.5 bar (40 – 50 psi) is recommended
For Air Assisted Airless a fluid pressure of 1 - 3 bar and air pressure of 1 - 2 bar should be suitable.
One or two coats may be needed, depending on build required – dry and denib with 320 grit lubricated paper between coats (see below for drying time).

### Drying Time:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Time (min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Touch dry</td>
<td>15 – 20</td>
</tr>
<tr>
<td>Sanding/recoating</td>
<td>60 – 90</td>
</tr>
<tr>
<td>Packing</td>
<td>Minimum overnight</td>
</tr>
<tr>
<td>Drying times may be reduced by force-drying</td>
<td></td>
</tr>
<tr>
<td>It is recommended to allow a minimum of 7 days before finished articles are put into use.</td>
<td></td>
</tr>
<tr>
<td>Full cure and hardness should be achieved after 21 – 28 days.</td>
<td></td>
</tr>
</tbody>
</table>

### Coverage:

The coverage will depend on the type and absorbency of the substrate and the application method, but should be an average of 7 m² per litre (activated enamel).

### Thinners:

This product is supplied ready for use when catalysed but if thinning is deemed necessary use Acid Catalyst Fast Dry Thinners, 00 164 7290, up to 5%.
Always activate the enamel before thinning to ensure activation ratio is correct.

### Equipment cleaning

For equipment cleaning use Dual Thinners, 00 802 5432. (Use only for cleaning).

### Packaging:

Mylands Acid Catalyst Enamels are available in 5 and 20 litre containers as standard.

### Colour matching:

Mylands Acid Catalyst Enamels are available as white in a range of sheen levels as standard, but may be tinted to order to colours on most major colour cards, including Mylands 9000 range, RAL, BS, Dulux, Crown, Farrow & Ball, etc.

### Physical Constants:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>VOC level</td>
<td>600g/litre</td>
</tr>
</tbody>
</table>

### Health and Safety:

Refer to Mylands Acid Catalyst Enamel MSDS before use.

*Last Updated February 2012*

For further information visit our website [www.mylands.co.uk](http://www.mylands.co.uk) or contact us: 0208 670 9161 sales@mylands.co.uk