# Waerbased Self Cross-Linking Sealer

## General

A single-pack self-crosslinking sealer which may be used under Mylands HS SCL range of waterbased lacquers or under solvent borne lacquers.

<table>
<thead>
<tr>
<th>Product</th>
<th>Product code</th>
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<tbody>
<tr>
<td>Waterbased Sealer Self-crosslinking (SCL)</td>
<td>44 095 2001</td>
<td>N/A</td>
</tr>
<tr>
<td>Waterbased HS SCL Lacquer Matt</td>
<td>44 095 2010</td>
<td>10%</td>
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<tr>
<td>Waterbased HS SCL Lacquer Semi Matt</td>
<td>44 095 2020</td>
<td>20%</td>
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<tr>
<td>Waterbased HS SCL Lacquer Satin Matt</td>
<td>44 095 2030</td>
<td>30%</td>
</tr>
<tr>
<td>Waterbased HS SCL Lacquer Satin</td>
<td>44 095 2040</td>
<td>40%</td>
</tr>
<tr>
<td>Waterbased HS SCL Lacquer Gloss</td>
<td>44 095 2090</td>
<td>90%</td>
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## Technical Data

This self-crosslinking sealer is a high solids single pack material which is formulated on an internally crosslinking aqueous polymer system to provide a high build base for the topcoat lacquer. The sealer is based on the same polymer system as Mylands HS SCL lacquers, but contains various additives to aid sanding, etc.

This product is designed primarily as a sealer for use with Mylands range of HS SCL Lacquers but may be also used in combination with solvent borne lacquers, to meet current environmental legislation on solvent emissions. When used with a HS SCL Lacquer the system is designed to meet FIRA (BS) 6250 Heavy/Severe Use rating.

Full cure and hardness should be achieved between 21 and 28 days after application, dependent on conditions.

## Application

The following stains are suitable for use under HS SCL sealer: Water Stains, Light Fast Stains, Earth Stains, Non-Fade Ground Stains. Always stir the sealer well before use to ensure all settlement is 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.

This sealer is best applied at a temperature exceeding 15°C – lacquer, the spray shop or area used, substrate being sprayed and drying area should all be at this minimum temperature. Failure to comply with these conditions could result in poor film formation.

This product is 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. Ensure equipment is stainless steel to prevent corrosion by the water in the sealer.
## Drying Time

The drying of this sealer is greatly assisted by air movement which takes the water vapour away quickly. Areas of high humidity should be avoided. Temperature should be at a minimum of 15°C for optimum drying.

Under the above conditions the following criteria should be met:

- **Touch dry:** 15 - 20 minutes
- **Sanding/recoating:** 60 - 90 minutes.
- **Packing:** A minimum of overnight.

## Coverage

The coverage will depend on the type and absorbency of the substrate and the application method but should be an average of 6 - 8 m² per litre.

## Thinners

These lacquers are supplied at a ready for use viscosity and should not normally require thinning.

Should it be deemed necessary to thin, water should be used, but exercise care as a little water will thin the lacquer quickly - definitely use no more than 5%.

## Equipment Cleaning

Equipment should be cleaned with water immediately after use. Dried lacquer can be removed with Acetone (09 702 8063).

A guidance sheet with instructions for changing from solvent borne lacquer to water based lacquer and back again is available on request.

## Physical Constants

- **VOC level:** 80g/litre
- **Viscosity:** 45secs/B4/25°C

## Packaging

This range of lacquers is available in 5 litre and 25 litre containers as standard.

## Storage

- Protect from frost – store above 5°C, if the lacquer freezes, the polymer will be damaged.
- There is no fire risk with these products.

## Health and Safety

Refer to Mylands Self Cross Linking Sealer MSDS before use.

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For further information visit our website www.mylands.co.uk or contact us: +44 (0)208 670 9161 sales@mylands.co.uk