

**Product Code:**

390-894 Chemseal

**VISCOSITY:** Zahn #2 25" at 25°C  
**FLASH POINT:** -6°C (21F)  
**DENSITY (Kg/L):** 0.91  
**SOLID (% by weight):** 23%  
**SOLID (% by volume):** 17%  
**SHELF LIFE (months):** 12

**Product Description:**

Chemseal is an ample, matte and quick drying clear cellulose sealer that renders very fine sanding properties shortly after application.

**Uses:** Chemseal is used for sealing under cellulose lacquers on all types of wood meant for interior use. It is also well suited for finishing of less exposed surfaces such as the interior of drawers, cupboards, etc.

**Environmental Data (as supplied):**

|                         |      |
|-------------------------|------|
| VOC less exempt lb/gal: | 5.87 |
| VOC lb/gal:             | 5.87 |
| VOC less exempt g/l:    | 704  |
| VOC g/l:                | 704  |
| VOC lb/lb Solid:        | 3.39 |
| VHAPs lb/lb Solid:      | 1.91 |

See individual compliance sheets for specific data

**Application Data:**

|                                |                      |
|--------------------------------|----------------------|
| <b>SUGGESTED USES:</b>         | Clear Lacquer Sealer |
| <b>MIXING RATIO:</b>           | NA                   |
| <b>POT LIFE:</b>               | NA                   |
| <b>APPLICATION VISCOSITY:</b>  | Z #2 20-25"          |
| <b>REDUCER:</b>                | Lacquer Thinner      |
| <b>RETARDER:</b>               | 121-014              |
| <b>CLEAN-UP SOLVENT:</b>       | Lacquer Thinner      |
| <b>APPLIED FILM THICKNESS:</b> | 3-5 wet mils         |



**AkzoNobel**

## Directions for Use

Chemseal  
390-894

### Surface Preparation:

Substrate to be coated should be sanded with 120,150 or 180 grit sandpaper prior to coating.

### General information:

Chemseal is applied in one or two, depending on the wanted finish on all types of wood meant for indoor use. The dry film build should be kept below 4 mils.

Note: At very high air humidity, the lacquer surface can appear whitish due to too quick evaporation. This phenomenon can be redressed by adding 3-5% retarder.

THE CUSTOMER IS RESPONSIBLE FOR FOLLOWING THE RECOMMENDED APPLICATION PROCEDURES. FAILURE TO ADHERE TO THE RECOMMENDATIONS GIVEN IN THIS DATA SHEET WILL LIKELY RESULT IN UNSATISFACTORY FILM APPEARANCE OR FILM FAILURE. THE COMPLETE COATING SYSTEM SHOULD BE CHECKED FOR REQUIRED PROPERTIES PRIOR TO THE START-UP OF PRODUCTION.

### Drying Times:

|                        | At 20°C (Minimum Required) | At 50°C (Minimum Required)     |
|------------------------|----------------------------|--------------------------------|
| <b>Tack Free Time:</b> | 10 mins.                   | Flash off before entering oven |
| <b>Dry to Sand:</b>    | 40 minutes                 | 20-30 mins.                    |
| <b>Dry to Stack:</b>   | 4 hours                    | 1 hour                         |

Note: Dry times are greatly affected by film build, porosity of substrate, air movement as well as heat and humidity. Temperatures are based on actual board temperature. This may vary depending on length of time for boards to reach these temperatures. Minimum curing temperatures of 64°F/18°C must be maintained throughout the curing cycle to achieve the film integrity as stated in product features.

These products are designed for industrial use only. AkzoNobel views safety as a top priority. Please refer to Material Safety Data Sheet for information on the safe use of this product.

Values shown are calculated estimates and should not be construed as product specifications. We cannot anticipate all conditions under which this information and our products or the products of other manufacturers in combination with our products may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of each such product or product combination for their own purposes. Unless otherwise agreed in writing, we sell the products without warranty, and users assume all responsibility and liability for loss or damage arising from the use of our products whether used alone or a combination with other products. Use of unapproved or reclaimed solvent blends may reduce film properties and is not recommended.

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