



Product Information

Chemseal 390-001

PRODUCT DESCRIPTION

Chemseal is a one-component, pre-catalyzed sealer designed for all types of woods for interior use. It has a rapid dry and sands easily to a smooth finish.

SPECIFICATION VALUES

Gloss:	Matte
Flash Point:	12°C (°F)
Specific Gravity:	0.93
Weight per Gallon:	7.76 lb.
Solids by Weight:	22%
Solids by Volume:	15.5%
Fire Hazard Class:	3
Health Hazard Class:	3
Viscosity at 25°C (77°F):	22" Z#2
VOC:	725g/l (6.1 lb/gal)
Lbs. VOC/Lbs. Solids:	3.52
Lbs. VHAPs/Lbs. Solids:	1.63

Values at Application if Catalyzed:

Lbs. VOC/Lbs. Solids:	3.55
Lbs. VHAPs/Lbs. Solids:	1.59

If additional reducers or additives are used, compliance values must be recalculated.

FEATURES

Note: Chemseal must not be polluted with oil, varnish or the like and must not be sanded with steel wool between the coats.

Chemseal must not be used and dried at temperatures below 18 °C or relative air humidity above 65% as the hardening may otherwise become incomplete. During hardening, the sealer must not be exposed to ammonia vapours.

Ammonia cleaners should not be used for cleaning the finished surface.

SPECIFICATION INFORMATION

Shelf Life: Three months recommended if unopened and stored between 15°C - 25°C (59°F - 77°F).

Always rotate stock.

Pot Life: Eight hours if catalyzed.

Coverage: Coverage is 6-8 m²/L (250 sq. ft/gal) at 1 mil dry and at 100% transfer efficiency. Coverage will vary depending on method of application or coating thickness.

Mixing Ratio: Use as supplied. If catalyzing, use 3 parts 999-017 catalyst per 100 parts of 390-001 sealer by volume.

Reduction: Use 121-001 as required

DIRECTIONS FOR USE

Surface Preparation: Wood substrate should be sanded with 120, 150 or 180 grit paper prior to staining or coating. Stain systems under acid containing coatings should be acid stable.

Directions for Use: Agitate material thoroughly before use. Chemseal must be agitated thoroughly at all times to ensure product consistency.

Apply one or two coats at 2-5 mils wet and allow 30-45 minutes dry at 20 °C prior to sanding and applying next coating. Sand with 280/320 grit paper before topcoating or re-coating and ensure next coat is applied within eight hours of sanding Chemseal 390-001.

390-001 may be topcoated with pre-catalyzed topcoats such as 355-XXX and 461-XXX. 390-001 has a limited shelf life and should be used within three months.

Maximum film build of 390-001 is not to exceed 2 mils dry.

The customer is responsible for following the recommended application procedures. Failure to adhere to the recommendations given in this Technical Data Sheet will likely result in unsatisfactory film appearance or film failure.

The completed coating system should be checked for required properties prior to start-up of production.

APPLICATION

Method of Application:	Viscosity	Wet Film	Dry Film
Spray - Conventional}	Z#2/18-24"	2-5 mils	0.4-1.0 mils
- Airless}			
- HVLP}			
Curtain Coater	Z#2/18-24"	2-5 mils	0.4-1.0 mils

All measurements recommended are based on results at temperatures of 20°C(68°F). Viscosity will vary depending on the temperature of the liquid.

Drying Times:

At 20°C(68°F)	(Minimum Required)	At 122°F	(Minimum Required)
Tack Free:	10-15 minutes	Tack Free:	Flash off before entering oven
Dry to Sand:	30-45 minutes	Dry to Sand:	15-20 minutes
Dry to Stack:	1-2 hours	Dry to Stack:	20-30 minutes

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.

Clean-Up: Use 121-001

Chemcraft International Inc. views safety as a top priority. Please refer to Material Safety Data Sheet for information on the safe use of this product.

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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.