

Product Information

PRODUCT NAME: CHEMSEAL

PRODUCT CODE: 401-028

DESCRIPTION: Chemseal 401-028 is a fast drying vinyl sanding sealer with good clarity and moisture resistance. It is a single-pack, quick drying product with excellent sanding properties and is to be used where excellent adhesion is important. Chemseal is used for sealing wooden furniture and other wood surfaces for interior use only. It can be used on all wood types and after drying and sanding, can be overcoated with acid curing systems such as Danspeed (480-XXX, 482-XXX) or Plastofix (488-XXX). For optimum properties under these systems, Chemseal 401-028 may be catalyzed.

SPECIFICATIONS:

Gloss:	Low Sheen
Solids Content:	22% (wt)
Flash Point:	-18°C
Specific Gravity:	0.91
Fire Hazard Class:	3
Health Hazard Class:	3
Viscosity:	28 sec., Zahn #2 at 25°C

HARDENER MIXING RATIO: When used as a two-component sealer, mix in 3% of 999-017 hardener by volume prior to use.

REDUCTION: Use 121-802 or 121-803 reducer if required.

SHELF LIFE: Twelve months recommended if unopened and stored in a cool, dry area. Always rotate stock.

POT LIFE: Only catalyze enough material for a maximum of eight hours of use.

COVERAGE: Coverage is 8-12 sq. m/L at 100% transfer efficiency. Coverage will vary depending on method of application or coating thickness.

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

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DIRECTIONS FOR USE: Apply at 3-5 wet mils on sanded substrate. Allow 1 hour to dry at a minimum 20°C prior to topcoating.

Sand with 280/320 grit paper before topcoating and ensure topcoat is applied within eight hours of sanding Chemseal 401-028.

Always mix Chemseal while adding hardener and reducers in the recommended mixing ratios. Chemseal must be thoroughly agitated at all times to ensure product consistency. When catalyzed, avoid contact with metal surfaces.

Maximum film build of 401-028 is not to exceed 1 mil dry. It should be noted that water base materials are not suitable for use over Chemseal 401-028.

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.

DRYING TIMES:

Note: Temperatures are based on actual board temperature. This may vary depending on length of time for boards to reach these temperatures.

<u>At 20°C</u>	<u>(Minimum Required)</u>
Tack Free:	10-15 mins
Dry to Sand:	1 hour
Dry to Stack:	2 hours
<u>At 50°C</u>	
Tack Free:	1-2 mins
Dry to Sand:	4-5 mins
Dry to Stack:	6-8 mins

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APPLICATION:

<u>Method</u>	<u>Viscosity</u>	<u>Recommended</u>	
		<u>Wet Film</u>	<u>Dry Film</u>
Spray - Conventional }	Z #2/18-25"	3-5 mils	0.5-0.8 mils
- Airless }			
- HVLP }			

Curtain Coater: Contact customer representative for curtain coating of vinyl sealers.

Note: All measurements recommended are based on results at temperatures of 20°C.

CLEAN-UP:

Use 121-802 or 121-001.

Please refer to the Material Safety Data Sheet for further information.

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 our products alone or in combination with other products. Users are advised to make their own tests to determine 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 in combination with other products and is not recommended.

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