



Chemcraft®

A Great Finish is Only the Beginning

Chemseal Vinyl Sealer
401-028

Product Code:

401-028

Chemseal

VISCOSITY:

Zahn #2 signature cup 26 sec at 25°C

FLASH POINT:

-18°C (-1°F)

DENSITY (Kg/L):

0.90

SOLID (% by weight):

21%

SOLID (% by volume):

14%

SHELF LIFE (months):

12

Product Description: Chemseal 401-028 is a ready-to-use 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.

Uses: 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 (482-XXX) or Plastofix (488-XXX). For optimum properties under these systems Chemseal should be catalyzed.

Environmental Data (as supplied):

| | |
|--------------------------------|------|
| VOC less exempt lb/gal: | 5.95 |
| VOC lb/gal: | 5.53 |
| VOC less exempt g/l: | 713 |
| VOC g/l: | 663 |
| VOC lb/lb Solid: | 3.48 |
| VHAPs lb/lb Solid: | 2.76 |

See individual compliance sheets for specific data

Application Data:

| | |
|--------------------------------|-------------------------------------|
| SUGGESTED USES: | Clear Vinyl Sealer |
| MIXING RATIO: | 3% 999-017 if desired |
| POT LIFE: | 8 hours if catalyzed |
| APPLICATION VISCOSITY: | Zahn #2 signature cup 20-25 seconds |
| REDUCER: | 121-802 or 121-803 |
| RETARDER: | 100-119 or 100-137 |
| CLEAN-UP SOLVENT: | Lacquer Thinner |
| APPLIED FILM THICKNESS: | 3-5 wet mils |

Directions for Use

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Surface Preparation:

Substrate to be coated should be sanded with 120,150 or 180 grit sandpaper prior to coating. Stain systems under acid catalyzed coatings should be acid stable.

General information:

Apply at 3-5 wet mils on sanded substrate. Allow one 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 401-004 is not to exceed 1 mil dry.

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) |
|------------------------|----------------------------|----------------------------|
| Tack Free Time: | 10 minutes | 1-2 minutes |
| Dry to Sand: | 1 hour | 4-5 minutes |
| Dry to Stack: | 2 hours | 10 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.

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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