

546-1227 Chemseal 550 NC Clear Sealer

Product codes: 546-1227	Viscosity	Zahn #2 signature cup 18 sec at 77°F
	Flash Point:	-4°F (-20°C)
	Density (lb/gal):	7.3
	Solid (% by weight):	24%
	Solid (% by volume):	16%
	Shelf Life (months):	12

Product Description:

Chemseal 550 is a single component nitrocellulose sealer that provides excellent sealing properties and very rapid dry. Chemseal 550 is an easy sanding sealer designed for the professional applicator who requires a rapid dry, easy sanding material. All nitrocellulose lacquers will yellow over time. This could become an issue if this product is used over white surfaces. This yellowing generally adds a warm patina when applied over most other colors and stains. Recommended: Architectural Woodwork Institute Nitrocellulose Lacquer System (8th Ed).

Uses:

Chemseal 550 is recommended for household furniture, millwork, decorative items as well as many other interior wood applications.

Environmental Data (as supplied):

VOC less exempt lb/gal:	<4.50
VOC lb/gal:	<2.10
VOC less exempt g/l:	
VOC g/l:	
VOC lb/lb Solid:	<1.20
VHAPs lb/lb Solid:	<0.3

Note:

N/A

Application Data

Suggested Uses:	Wood Sealer
Mixing Ratio:	N/A
Suggested Uses:	N/A
Application Viscosity:	Zahn #2 signature cup 18 seconds
Reducer:	800-5500 for viscosity only
Retarder:	800-5742
Clean-up Solvent:	800-5500
Recommended Wet Film:	3 – 5 mils
Coverage:	Coverage is 265 sq. ft/gal at 1 mil dry and at 100% transfer efficiency. Coverage will vary depending on method of application or coating thickness.

Note:

N/A

Directions for use:

Surface Preparation:

Substrate must be sanded using 120, 150 or 180 grit stearated paper prior to staining or coating. Chemseal 550 cannot be used on metal or old oil finishes. AkzoNobel recommends using 825-00XX or 825-09XX series stains or 824-50XX series waterborne stains.

General Information:

Agitate material before use. Chemseal 550 must be agitated thoroughly at all times to ensure product consistency.

Apply at 3-5 mils wet on sanded substrate. Further coats may be applied after complete drying followed by sanding with 280/320 grit stearated paper. Appropriate topcoat is Chemlack 550 441-27XX.

Maximum film build of Chemseal 550 should not exceed 2 mils dry. Maximum film build of total coating system must not exceed 3 mils dry.

Chemseal 550 should not be used and dried at temperatures below 64°F or relative humidity above 65%.

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:

	Room Temperature (20°C / 68°F)	Forced Drying Schedule (50°C / 122°F)
Tack Free Time:	5 – 10 minutes	Flash off before entering oven
Dry to Sand:	10 – 20 minutes	1 - 2 hours
Dry to Stack:	5 – 10 minutes	20 – 30 minutes

Note:

N/A

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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