

441-51XX Chemlack 275 NC Clear TC

Product codes:	441-5110 Matte	Viscosity	Zahn #2 signature cup 22 sec at 77°F	
	441-5120 Low Gloss		Flash Point:	0°F (-18°C)
	441-5140 Satin		Density (lb/gal):	7.58
	441-5160 Semi-Gloss		Solid (% by weight):	23%
	441-5190 High Gloss		Solid (% by volume):	17%
		Shelf Life (months):	12	

Product Description:

Chemlack 275 is a single component nitrocellulose lacquer that provides good depth and clarity. This product has been formulated to meet 275 g/L VOC regulations.

Uses:

Chemlack 275 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:	<2.29
VOC lb/gal:	<0.60
VOC less exempt g/l:	<275
VOC g/l:	<72
VOC lb/lb Solid:	<0.35
VHAPs lb/lb Solid:	<0.001

Note:

N/A

Application Data

Suggested Uses:	Wood Finish
Mixing Ratio:	N/A
Pot Life:	N/A
Application Viscosity:	Zahn #2 signature cup 18 – 22 seconds
Reducer:	803-1325 or 803-1349
Retarder:	800-5915
Clean-up Solvent:	800-5500
Recommended Wet Film:	3 – 5 mils
Coverage:	270 sq. ft/gal at 1 mil dry and at 100% transfer efficiency. Coverage will vary depending on method of application or coating thickness.

Note:

The addition of these reducers or retarders could affect 275 VOC compliance.

Directions for use:

Surface Preparation:

Substrate must be sanded using 120, 150 or 180 grit stearated paper prior to staining or coating. Sealers should be sanded with 240, 280 and 320 grit stearated papers prior to being coated. Appropriate sealers are Chemcraft lacquer sealers or self-seal. Appropriate stains are 825-39XX series stains or 824-50XX series waterborne stains.

General Information:

Agitate material before use. Chemlack 275 must be agitated thoroughly at all times to ensure product consistency. Apply 3-5 wet mils on sanded substrate. Further coats may be applied after complete drying followed by sanding with 280/320 grit stearated paper.

Maximum film build of Chemlack 275 should not exceed 3 mils dry. Maximum film build of total coating system must not exceed 3 mils 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:

	Room Temperature (68°F)	Forced Drying Schedule (122°F)
Tack Free Time:	10 minutes	Flash off before entering oven
Dry to Sand:	20 - 25 minutes	15 – 20 minutes
Dry to Stack:	2 - 3 hours	60 – 90 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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