

431-22XX Selflac Pre-Cat Clear Topcoat

Product codes:	431-2210 10° Matte	Viscosity	Zahn #2 signature cup 25 sec at 25°C
	431-2225 25° Low Gloss		
	431-2235 35° Satin		
	431-2250 50° Semi-Gloss		
	431-2290 90° High Gloss		
	Flash Point:		39°F (4°C)
	Density (kg/l):		0.92 ± 2% at 25°C
	Solid (% by weight):		25%
	Solid (% by volume):		18%
	Shelf Life (months):		6

Product Description:

Selflac is an economical, ready to use, self-seal Pre-Catalyzed Reactive Amino Coating (RAC). This coating will dry quickly and sand easily.

Uses:

Selflac is intended for use on interior wood applications.

Environmental Data (as supplied):

VOC less exempt lb/gal:	<5.64
VOC lb/gal:	<5.20
VOC less exempt g/l:	
VOC g/l:	
VOC lb/lb Solid:	<2.73
VHAPs lb/lb Solid:	<0.02

Note:

See individual compliance sheets for specific data

Application Data

Suggested Uses:	Wood Finish / Spray
Mixing Ratio:	N/A
Suggested Uses:	N/A
Application Viscosity:	25 ± 2 sec Zahn #2 at 25°C
Reducer:	121-803 or 121-8020 if needed
Retarder:	800-5328 EEP
Clean-up Solvent:	Lacquer Thinner
Recommended Wet Film:	3 to 5 wet mils
Coverage:	7 m ² /l (75 pi ² /l) at 1 mil dry and at 100% 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 paper and be free of dust and all contaminants prior to staining or coating. Sealer must be sanded with a #280/320 paper before application of the topcoat and recovered within 8 hours after sanding. Eliminate all contact with metallic surfaces. Selflac must not be applied over metal, old oil finish or nitrocellulose lacquers. Stain systems used under Selflac should be acid stable.

General Information:

Agitate material before use. Always mix Selflac to ensure products consistency and consistent gloss. Apply at 3 - 5 mils wet on sanded or sealed substrate. Selflac could be applied in 2 or 3 coats depending on desired finish. A thorough sanding of each coat with 280/320 grit stated paper is essential for proper adhesion. The subsequent coats must be applied the same day as the previous coat is sanded. Maximum film build of the system should not exceed 3 mils dry. Contact with metal sources should be avoided. Selflac must not be polluted with oil, varnish or the like and must not be sanded with steel wool between coats.

To obtain complete cure, Selflac should be applied at a temperature above 18°C and relative humidity below 65%. When drying, this product is not to be exposed to ammonia vapours. Finished surfaces must not be cleaned with ammonia containing products. Always use plastic or stainless equipment to eliminate discoloration due to oxidation. Selflac is used as a self-seal or with following sealers: 390-001, 390-0060, 431-1219, 546-8003 and 546-5192.

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:	15 - 20 minutes	Flash off before entering oven
Dry to Sand:	30 - 45 minutes	8 hours
Dry to Stack:	30 - 45 minutes	2 hours

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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