

**546-5192 V-Seal Low VOC Clear Vinyl Sealer**

<b>Product codes:</b> 546-5192 V-Seal	<b>Viscosity</b> Zahn #2 signature cup 15 sec at 25°C
	<b>Flash Point:</b> -20°C
	<b>Density (kg/l):</b> 0.89 ± 2% at 25°C
	<b>Solid (% by weight):</b> 17%
	<b>Solid (% by volume):</b> 12%
	<b>Shelf Life (months):</b> 12

**Product Description:**

Low-VOC vinyl sealer. It is a single pack, quick drying product with excellent sanding and sealing properties. This product is recommended for Kitchen Cabinet or Furniture due to its excellent resistance to moisture. V-Seal contains no formaldehyde.

**Uses:**

V-Seal is used for sealing wooden furniture and other wood surfaces for interior use only. It can be used on all wood types.

**Environmental Data (as supplied):**

<b>VOC less exempt lb/gal:</b>	<4.59
<b>VOC lb/gal:</b>	<4.28
<b>VOC less exempt g/l:</b>	
<b>VOC g/l:</b>	
<b>VOC lb/lb Solid:</b>	<1.00
<b>VHAPs lb/lb Solid:</b>	<0.004

**Note:**

See individual compliance sheets for specific data

**Application Data**

<b>Suggested Uses:</b>	Spray
<b>Mixing Ratio:</b>	N/A
<b>Suggested Uses:</b>	N/A
<b>Application Viscosity:</b>	14-16 sec Zahn #2 at 25°C
<b>Reducer:</b>	Lacquer Thinner 803-1339/121-001 or 121-8020
<b>Retarder:</b>	800-5328 EEP
<b>Clean-up Solvent:</b>	Lacquer Thinner
<b>Recommended Wet Film:</b>	3 to 4 mils wet
<b>Coverage:</b>	5 m <sup>2</sup> /l (50 pi <sup>2</sup> /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:**

Wood must be sanded with a #120, 150 or 180 grit paper and free of dust and all contaminants. Before application of the topcoat, sealer must be sand with a 280/320 grit paper. V-Seal must not be used over metal, old oil finish or cellulosic finish.

**General Information:**

Apply 3-4 mils wet on sanded surface by spray. If more than 4 mils, sanding becomes difficult. Never exceed a thickness of 5 mils by coat as the solvent will remain trapped in the film and this may cause stress in the film. Maximum film build of the sealer should not exceed 1 mil dry. Maximum film build of the system should not exceed 4 mils dry.

To obtain complete cure, the product must be applied at a temperature above 18°C and relative humidity below 65%. When drying, this product is not to be exposed to ammonia vapors. Finished surface must not be cleaned with ammonia containing products.

V-seal is use with topcoat: 421-55XX, 421-63XX, 421-67XX, 421-72XX, 482-3XX, 431-22XX, 431-30XX, 431-90XX and 431-98XX.

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:**

	<b>Room Temperature (20°C / 68°F)</b>	<b>Forced Drying Schedule (50°C / 122°F)</b>
<b>Tack Free Time:</b>	10 - 15 minutes	Flash off before entering oven
<b>Dry to Sand:</b>	20 - 25 minutes	2 hours
<b>Dry to Stack:</b>	15 - 20 minutes	30 - 45 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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