

550-3400 Acquaduro™ 2K Polyurethane Waterborne Primer

Product codes: 550-3400	Viscosity Zahn #3 Signature Cup 18-22 sec at 77°F (25°C)
	Flash Point: >201°F
	Density (lb/gal): 11.44
	Solid (% by weight): 56.44
	Solid (% by volume): 39.8
	Shelf Life (months): 12

Product Description:

Acquaduro™ 2K PU WB Primer is a 2 component polyurethane primer for interior wood woodwork and MDF. The formulation provides superior build, sag resistance, coverage. Acquaduro is easy to apply, provides very smooth surface with minimal sanding requirement.

Uses:

Acquaduro™ 2K PU WB Primer is designed for the cabinet, architectural millwork, furniture and refinish markets.

Environmental Data (as supplied):	VOC less exempt lb/gal: 0.81
	VOC lb/gal: 0.36
	VOC less exempt g/l:
	VOC g/l:
	VOC lb/lb Solid: 0.06
	VHAPs lb/lb Solid: 0.01

Note:

N/A

Application Data	Suggested Uses: Interior wood finishes
	Mixing Ratio: 7% 876-3400 Hardener by volume
	Suggested Uses: 3 hours
	Application Viscosity: Zahn #3 Signature Cup 18-22 sec at 77°F (25°C)
	Reducer: Water 3 - 5%
	Retarder: 870-1358
	Clean-up Solvent: Water
	Recommended Wet Film: 4 - 5 mils
	Coverage: 638.68 sqft/gal.

Note:

N/A

Directions for use:

Surface Preparation:

Substrate should be sanded using 120, 150 or 180 grit stearated paper. Acquaduro™ 2K PU WB Primer cannot be used on metal, old oil or nitrocellulose lacquers. For optimum results use 228-34XX Acquaduro™ Pigmented 2K PU TC or 423-34XX Acquaduro™ Clear 2K PU TC. When recoating, the previous coat of Acquaduro™ 2K PU WB Primer must be sanded and the next coat applied within eight hours of being sanded.

General Information:

The mixed product contains 876-3400, an isocyanate based co-reactant. Please follow all precautions associated with handling and use of those materials. Refer to MSDS for detail information. Oil stains must be avoided because they will interfere with the adhesion. Product must be thoroughly stirred before adding the hardener in the recommended ratio. The viscosity of the product should be monitored after mixing with the hardener. The relative humidity in the application and drying room should not exceed 75% for maximum coating performance.

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:	20 - 30 minutes	15 - 20 minutes
Dry to Sand:	60 minutes	3 - 4 hours
Dry to Stack:	30 - 45 minutes	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.

Akzo Nobel Coatings, Inc
1431 Progress Ave
High Point, NC 27260
336-841-5111

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