

550-1760 Acquaduro™ 1K Polyurethane Waterborne Primer

Product codes: 550-1760	Viscosity 31-35 sec Zahn #2 Signature Cup
	Flash Point: >200°F (93.3°C)
	Density (kg/l): 1.414
	Solid (% by weight): 56.5
	Solid (% by volume): 38.12
	Shelf Life (months): 6 Months

Product Description:

Acquaduro1K Primer is a ready to use white waterborne primer. This waterbased primer provides excellent durability and water resistance on hardwoods or MDF. Acquaduro Waterbased Primer has great ease of application and fast application and dry times. Recommended topcoat is the Acquaduro 2K Pigmented Polyurethane Waterbased Topcoat.

Uses:

Acquaduro™ 1K Primer has been designed for the cabinet, architectural millwork, furniture and refinish markets.

Environmental Data (as supplied):	VOC less exempt lb/gal:	<1.71
	VOC lb/gal:	<0.43
	VOC less exempt g/l:	
	VOC g/l:	
	VOC lb/lb Solid:	<0.18
	VHAPs lb/lb Solid:	<.01

Note:

Application Data	Suggested Uses:	Designed for use on hardwoods or MDF
	Mixing Ratio:	N/A
	Suggested Uses:	N/A
	Application Viscosity:	Zahn #2 Signature cup 31-35 sec at 25°C (77°F)
	Reducer:	Use water if required
	Retarder:	891-9030 1 to 3% by volume
	Clean-up Solvent:	Water
	Recommended Wet Film:	4-6 wet mils
	Coverage:	14,96 M ² /L

Note:
N/A

Directions for use:

Surface Preparation:

Substrate must be sanded using 120, 150 or 180 grit paper prior to coating. Acquaduro 1K Primer should be sanded with 280/320 grit paper prior to being coated. Acquaduro 1K Primer should be coated within (8) hours of being sanded for maximum adhesion. When recoating, the previous coat of Acquaduro 1K Primer must be sanded and the next coat applied within (8) hours of being sanded.

General Information:

Mix material before use. Add water to reduce if required and mix thoroughly. Apply by spray at 4 - 6 mils wet. Aquaduro Primer must be agitated thoroughly at all times to ensure product consistency. Contact with metal surfaces should be avoided. Maximum film build of total coating system must not exceed 4 mils dry. The completed coating system should be checked for required properties prior to start-up of production.

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:	10 minutes	5 minutes
Dry to Sand:	20 minutes	12 hours
Dry to Stack:	10 minutes	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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