

AKVABOARD™ W/B PRIMER

ED5201001



DESCRIPTION:

Akvaboard™ W/B Primer is a fast drying waterborne primer for a variety of interior wood products. Designed for spray, curtain coater or vacuum application methods, it has high solids and sands easily. This primer is extremely low in VOC. It is also HAPs and formaldehyde free and meets KCMA when topcoated with Laqva Top™.

PRODUCT DATA:

Colour:	Wet: White Dry: White	VOC (as packaged, maximum, less water and exempt solvents):	0.75 lbs/gal or 90 g/l
Solids % by Vol.:	48 % (Theoretical)	VOC (emitted):	0.40 lbs/gal or 49 g/l
Solids % by Wt.:	67 % (Theoretical)	Lbs. VHAPs / Lbs. Solids:	0
Weight / Gal.:	13.4lb	Flash Point (PMCC):	Does Not Flash
Viscosity 25°C / 77°F:	#4 Ford: N/A	Photo Chemically Reactive:	No
Viscosity 25°C / 77°F:	DIN 4: 30-34 Sec.	Shelf Life:	12 months (at 15-25° C / 59-77° F)
Viscosity 25°C / 77°F:	Zahn #2 sig.: 32-38 Sec.	Theo. Coverage@1mil dry	769 Sq. Ft./Gal. 100% Efficiency

MIXING / APPLICATION:

Working Temp: >20° C, 68° F substrate, coating and air
Hardener: N/A
Catalyzation: N/A
Pot Life: N/A
Mixing: Mix thoroughly to ensure uniform consistency.
Reducer: May be reduced with water as needed.
Application: 110 - 150 (g/m²) Approx. 3 - 4 wet mils
Surface Prep: Substrate should be clean and free of grease and oil. Moisture content of the wood should be between 6%-8%. White wood sanding with 180 grit, MDF with 220 or 240 grit, both to eliminate grain raising. Using a denibber will eliminate some grain-raising and smooth the edges.
Use Directions: Always sand the primer within 8 hours prior to top-coating to improve adhesion. To be used as a surfacer with one or two coats on wood or MDF. Sand first coat to improve adhesion with 320 grit, and sand second coat before top-coating with 400 or 500 grit. Dry time can be directly impacted by many factors, including film thickness. Users are urged to test the system under shop conditions.
App. Equip.: Conventional, HVLP Siphon Feed, Pressure Pot Systems, Airless, Air-Assist Equipment, Vacuum and Curtain Coater.
Tinting: Can be tinted with 896 tinters up to 5%. Prior to application test a sample piece to assure proper colour match.

DRYING TIMES TO SAND / STACK:

Method	Drying Temp.	Drying Time (@ 60 % RH and thickness @ 1 mil dry)
Air Drying	20° C / 68° F	15-30 min. dry to sand and recoat / 30 - 40 hr. dry to stack
*Forced Drying	50° C / 122° F	5-10 min. dry to sand and recoat / 10 - 20 min. dry to stack

APPLICATION RECOMMENDATIONS:

APPLICATION EQUIPMENT SETTINGS

Method of Application	Wet Film		Dry Film	
	Mils	g/m ²	Mils	Microns
Conventional – Siphon Fed	3 – 4 mils	110 - 150 g/m ²	1.4 – 1.9 mils	35 – 47 microns
Conventional – Pressure Pot	3 – 4 mils	110 - 150 g/m ²	1.4 – 1.9 mils	35 – 47 microns
Airless Air Assist	3 – 4 mils	110 - 150 g/m ²	1.4 – 1.9 mils	35 – 47 microns
HVLP - Siphon Fed	3 – 4 mils	110 - 150 g/m ²	1.4 – 1.9 mils	35 – 47 microns
HVLP - Pressure Pot	3 – 4 mils	110 - 150 g/m ²	1.4 – 1.9 mils	35 – 47 microns

All measurements and application equipment settings are based on application at temperature of 68°F. Viscosity will vary depending on the temperature of the liquid. The application equipment setting recommendations are guidelines only. The settings are starting point recommendations and adjustments to the equipment settings and equipment may be needed to obtain the desired results. Please refer to your specific equipment manufacturer's recommendations for equipment set-up.

REDUCTION – TIP SIZE – PSI SETTINGS

Conventional Equipment Siphon Feed:

Use as is or reduce with water, nozzle size 0.070 inches (1.8mm) – 0.080 inches (2.0 mm), atomizing air 25 psi (1.7 bar)–40 psi (2.8 bar).

Conventional Equipment Pressure Pot:

Use as is or reduce with water, nozzle size 0.070 inches (1.8mm) – 0.080 inches (2 mm), atomizing air 25 psi(1.7 bar)–40 psi (2.8 bar), Pot pressure 7 psi (0.48 bar) to 10 psi (0.68 bar)

Airless Air Assist Equipment:

Use as is or reduce with water, tip size 0.015 inches (0.38mm) - .016 inches (0.4mm), fluid pressure 300 psi – 550psi, atomizing air 15 psi (1 bar) to 29psi (2 bar).

HVLP Equipment Siphon Feed:

Use as is or reduce with water. Nozzle size .070 inch (1.8mm) - 0.080 inch (2mm) nozzle, atomizing air 29 psi (2 bar) -44 psi (2.8 bar).

HVLP Equipment Pressure Pot:

Use as is or reduce with water, nozzle size .070 inches (1.8mm)-.080 inches (2 mm) nozzle, atomizing air 29psi (2 bar) - 39 psi (2 bar). Pot pressure 7 psi (0.48 bar) to 10 psi (0.68 bar)

PRODUCT NOTES

- Like most water based products, Akvaboard™ should not be force dried with high speed air for the first couple of minutes to avoid mud-cracking.
- Maximum recommended dry film thickness for total coating system is 5 mils.
- Excessive humidity may increase dry times.
- Insufficient humidity may lead to mud cracking or other surface defects.
- Meets Kitchen Cabinet Manufacturers Association (KCMA) when used under Laqva™ Top.
- Akvaboard™ can also be used as a primer over 100% solids UV sealers and can be topcoated with Aqualight™ W/B UV. Contact your AcromaPro representative for details.

CONTACTS:

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TESTING: Due to the wide variety of substrates, surface preparation methods, application methods, and environments, the customer should test the complete system for adhesion, compatibility and performance prior to full scale application.

FOR INDUSTRIAL SHOP APPLICATION: Thoroughly review Material Safety Data Sheet (MSDS) for safety information and cautions prior to using this product. For Regulatory compliance data (i.e. VOC, HAPS, etc.), obtain an Environmental Data Sheet (EDS) prior to using the product. A MSDS and/or EDS is available from your local distributor or representative. Please direct any questions or comments to 1-800-524-5979.

NOTE: Product Data Sheets are periodically updated to reflect new information relating to the product. It is important that the customer obtain the most recent Product Data Sheet for the product being used. The information, rating, and opinions stated here pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling and methods of application which are not known or under our control, AcromaPro cannot make any warranties as to the end result.