

# AKVABOARD W/B PRIMER

ED 5201-9001

Beckers



Becker Acroma

## DESCRIPTION

Akvaboard is a fast drying waterborne primer that is designed for spray, curtain coater, or vacuum applications. This high solids product has excellent adhesion, including over 100% UV sealers. It can be topcoated with Aqualight, and select acid cured products. It is easy to sand and extremely low VOC's and HAPs free.

## HIGHLIGHTS

- » **Very Fast Dry Time**
- » **No Formaldehyde**
- » **Great Adhesion**
- » **High Solids**
- » **HAPs Free**
- » **Very Low VOCs**
- » **Easy to Sand**
- » **Good Covering Properties**
- » **Passes KCMA**

## PRODUCT DATA:

Colour:	Wet: White Dry: White	VOC:	40 g/l or 0.34 lbs/gal
Solids % by Vol.:	47 % (Theoretical)	Lbs. VOC / Lbs. Solids:	0.04
Solids % by Wt.:	67 % (Theoretical)	Lbs. VHAPs / Lbs. Solids:	0
Weight / Gal.:	13.4lb	Flash Point (PMCC):	Does Not Flash
Spec. Gravity:	1.61	Frost Sensitivity	Yes
Viscosity 25°C / 77°F:	#4 Ford: 40-45 Sec.	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.: 47-58 Sec.	Theo. Coverage@1mil dry	752 Sq. Ft./Gal. 100% Efficiency

## MIXING / APPLICATION:

**Working Temp:** >18° C, 65° F substrate, coating and air  
**Hardener:** N/A  
**Catalyzation:** N/A  
**Pot Life:** N/A  
**Mixing:** Mix thoroughly to ensure uniform consistency.  
**Reducer:** Water  
**Application:** 110 - 150 (g/m<sup>2</sup>) 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. Always sand the primer within 8 hours prior to top-coating to improve adhesion.  
**Use Directions:** To be used as a surfacer with one or two coats on wood or MDF. Sand on first coat to improve adhesion with 320 grit, and sand second coat before top-coat with 400 or 500 grit.  
**App. Equip.:** Conventional & HVLP Siphon Feed and Pressure Pot Systems and Airless Air Assist Equipment.  
**Tinting:** Can be tinted with 896 tinters up to 5%. Prior to application test a sample piece to assure proper colour match.  
**Ind. Standards:** This product meets the quality standard Water Acrylic Opaque for AWI.

## 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 <b>sand</b> / 30 - 40 hr. dry to <b>stack</b>
*Forced Drying	50° C / 122° F	5-10 min. dry to <b>sand</b> / 10 - 20 min. dry to <b>stack</b>

## CAUTIONS:

Refer to the M.S.D.S. "Material Safety Data Sheet" for additional information. Thoroughly review product label and M.S.D.S. for safety and any cautions prior to use. Becker Acroma has very high quality coating systems, which demand experienced and extremely careful application. Contact your Becker Acroma Technical Service Representative if you have any questions.

A test sample is recommended to insure adequate adhesion to substrate, proper curing conditions and desired performance properties.

**Points worth noting:** Optimal result depends on a number of factors: the nature of the substrate, the technical and physical possibilities, as well as the user's application technique. The technical data noted herein is accurate as of the date of publication and is subject to change without prior notice. The technical data herein may vary depending on environment conditions at the time of application and additives used. Becker Acroma Inc. and Becker Acroma LLC guarantee this product to conform to our quality control. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of products. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY BECKER ACROMA INC. OR BECKER ACROMA LLC, BY OPERATION OF LAW, STATUTORY, EXPRESS OR IMPLIED, OR OTHERWISE, INCLUDING FITNESS AND MERCHANTABILITY FOR A PARTICULAR PURPOSE. This product is intended for Professional Use Only.

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## APPLICATION RECOMMENDATIONS:

### APPLICATION EQUIPMENT SETTINGS

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

All measurements recommended are based on results at temperatures of 68°F. Viscosity will vary depending on the temperature of the liquid. The above mentioned application equipment recommendations are guidelines only. The noted settings are starting point recommendations and that adjustment to the 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 the first couple of minutes to avoid mud-cracking.
- Maximum recommended dry film thickness for total coating system is 5 dry mils.
- Excessive humidity may increase dry times.
- Insufficient humidity may lead to mud cracking or other surface defects.

#### CONTACTS:

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