

AKVASURF PRECATALYZED W/B PRIMER

ED 5561-9002

Beckers



Becker Acroma

DESCRIPTION

Akvasurf Precatalyzed is a fast drying waterborne primer that has good flow and filling properties. This high solids product sands as well as the best solvent based primers on the market. Akvasurf Precatalyzed can be topcoated with our waterborne topcoats including Akvatopp Precatalyzed as well as select acid cured products. It has extremely low VOC's and is HAPs free. It does not contain or emit formaldehyde.

HIGHLIGHTS

- » **Formaldehyde Free**
- » **Very Fast Dry to Sand Time**
- » **Great Flow and Fill**
- » **High Solids**
- » **HAPs Free**
- » **Very Low VOCs**
- » **Easy to Sand**
- » **Good Covering Power**
- » **Passes KCMA with KCMA Topcoat**

PRODUCT DATA:

| | | | |
|-------------------------------|-------------------------------------|-----------------------------------|------------------------------------|
| Colour: | Wet: White Dry: White | VOC: | 55 g/l or 0.46 lbs/gal |
| Solids % by Vol.: | 40 % (Theoretical) | Lbs. VOC / Lbs. Solids: | 0.06 |
| Solids % by Wt.: | 62 % (Theoretical) | Lbs. VHAPs / Lbs. Solids: | 0 |
| Weight / Gal.: | 13.16 lb | Flash Point (PMCC): | Does Not Flash |
| Spec. Gravity: | 1.58 | Frost Sensitivity | Yes |
| Viscosity 25°C / 77°F: | #4 Ford: 40-50 Sec. | Photo Chemically Reactive: | No |
| Viscosity 25°C / 77°F: | DIN 4: 30-40 Sec. | Shelf Life: | 12 months (at 15-25° C / 59-77° F) |
| Viscosity 25°C / 77°F: | Zahn #2 sig.: 47-70 Sec. | Theo. Coverage@1mil dry | 640 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: 100 - 140 (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. Denibbing 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 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 | 30-45 min. dry to sand / 3-4 hr. dry to stack |

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 ² | Mils | Microns |
| Conventional – Siphon Fed | 3 – 4 mils | 110 - 150 g/m ² | 1.2 – 1.7 mils | 33 – 42 microns |
| Conventional – Pressure Pot | 3 – 4 mils | 110 - 150 g/m ² | 1.2 – 1.7 mils | 35 – 42 microns |
| Airless Air Assist | 3 – 4 mils | 110 - 150 g/m ² | 1.2 – 1.7 mils | 35 – 42 microns |
| HVLP - Siphon Fed | 3 – 4 mils | 110 - 150 g/m ² | 1.2 – 1.7 mils | 35 – 42 microns |
| HVLP - Pressure Pot | 3 – 4 mils | 110 - 150 g/m ² | 1.2 – 1.7 mils | 35 – 42 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, Akvasurf Recent 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.

CONTACTS:

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