



## PRODUCT DATA SHEET AFS Primer/Sealer and EkoPrime

# AFS PRIMER SEALER and EKOPRIME

### PRODUCT DESCRIPTION

AFS PRIMER SEALER and EKOPRIME are a high quality, single component primer, not requiring any catalyzing agent. Performance obtained is equal or superior to that of two-component, catalyzed epoxy systems. PRIMER SEALER offers good coverage, excellent durability, and ease of application, as well as being a low VOC and EPA compliant coating.

### ENVIRONMENTAL ADVANTAGE

AFS PRIMER SEALER and EKOPRIME is a low VOC (Volatile Organic Compound) high performance production coating. It is considered non-hazardous by EPA definitions and does not contain lead or chromates. The solid and semi-solid sludge produced in spraying and clean up can be flocculated; dried and sent to a "Class B" landfill. Check with your local and state regulations for proper handling.

### CHARACTERISTICS

- Excellent exterior durability
- Excellent hardness/impact resistance
- Excellent mar and abrasion resistance
- Excellent adhesion on plastics, gel coat and composite substrates
- Solvent resistant
- Can be applied in a wide variety of temperature and humidity conditions without the use of retarders
- Distilled water is used for reduction
- Water is used for clean-up
- Non-Hazardous
- Air dry or force curing preferred
- Can be oven baked
- Wide range of colors to promote topcoat coverage
- Coating will not flash rust on bare metal
- Shelf life of 1+ years
- Unused paint can be returned to container
- Non-Flammable



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#### USES

- Steel
- Aluminum
- Fiberglass
- Wood
- Plastics
- Concrete
- PVC
- Pre-Finished Siding
- Steel Decks

#### AIR QUALITY DATA

- VOC (Volatile Organic Compounds) 2.0 lb/gal; 240 gm/ltr
- Free of lead and chromates

#### PHYSICAL DATA

- Liquid
- Boiling Point: 336°F
- Specific Gravity: >1
- % Solid by weight: 43.2%
- Vapor Density: Heavier than air
- % Solid by volume: 40.62%
- Evaporation Rate: Slower than ether
- Weight per gallon: 10.36 lbs.
- pH: 7-8.5
- Flash Point: 150°F CC
- VOC: 2.0 lb/gal; 240 gm/ltr

#### PERFORMANCE DATA

- Salt Fog in Harshaw No. 22 cabinet via ASTM B117 procedures with 5% NaCl solution. Evaluation of panels follows ASTM D610, D714, and D1654. 1512 hours Scribed -1/16" dense #.4. Moderate rust rundown OK - moderate rust rundown Unscribed - OK- moderate rust rundown Tested by McWhorter Technologies
- Impact Resistance - Reverse 180 inch pounds on steel
- Excellent adhesion to steel, plastic and aluminum
- Dust Free- 20 minutes
- Dry Time to Stack – 6 minutes at 140°F
- Recoat - 3 minutes at 70°F
- Topcoat - 3 minutes at 70°F
- Theoretical Coverage at 1 mil: 660 ft<sup>2</sup> (1624 x 40.62% solids by volume)



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#### **SPECIFICATIONS**

- **METALS:** Surface must be free of grease, oil, dirt, and other foreign matter. Oxidation material must be removed or converted with Aircraft Finishing Systems Conversion Coating.
- **FIBERGLASS:** Surface must be free of grease, oil, dirt, and other foreign matter.
- **CONCRETE:** Surface must be free of grease, oil, dirt, and other foreign matter.

#### **APPLICATION**

- Spraying - reduce with distilled water to 20-25 seconds DuPont M50. Apply with standard equipment - pressure or suction feed, HVLP or electrostatic. Atomization breakup depends upon viscosity of primer. Best performance is with an agitation pot.
- Brushing or rolling: reduce with distilled water to 30-38 seconds DuPont M50.
- Stir contents before use. Never shake or stir under high agitation.
- Shelf life: 1+ years.
- Apply with standard equipment-pressure or suction feed, air assisted airless, HVLP, LVLP or electrostatic. Atomization pressure depends on viscosity.

#### **CLEAN-UP WITH WATER**

Use water for cleanup. If the primer dries in the spray equipment, solvents may have to be used for cleanup. If the internal parts of the spray equipment are not stainless steel, it is recommended that the gun be purged with a solvent.