216P Series Low VOC Universal Primer Technical Data Sheet

PRODUCT DESCRIPTION

A Phenolic Alkyd Low VOC, 3.5 pounds per gallon, or lower, universal primer designed for use under multiple topcoats. It may be topcoated with a variety of finish coats such as alkyds, acrylics, vinyl, epoxies, and urethanes.

Color: White, Black, Red Oxide, Blue, Yellow, Green, and Gray
Sheen: Flat and Satin (Black)

PRODUCT AND PERFORMANCE DATA

Product Data*

Property	Result
Volume solids (%)	33 - 60 ±2
Weight solids (%)	52 - 79 ±2
VOC	298 - 418 ±2 g/L
Recommended dry film thickness	1.5 – 5 mils
Recommended wet film thickness	2.5 – 15 mils
Theoretical Coverage (1.0 mil)	529 – 962 ft²/gal
Dry time	30 – 60 min.

** 216P317 data excluded from product data, see product specific TDS for info*

Performance Data *

Test Method	Standard	Result
Adhesion	ASTM D3359	5B
Impact Resistance	ASTM D2794-90	>120 in-lbs
Gloss @ 60°	ASTM D523-14	2 - 15

**Testing performed on fully cured 216P900 product*

WELDABILITY

This product can be directly welded over as it contains no heavy metals that would produce toxic fumes. The paint is formulated to minimize the amount of “Burn-Back”. Critical, load-bearing welds should be made in accordance with industry standards.

SURFACE PREPARATION

Pre-cleaning:
Clean all surfaces to be coated in accordance with SSPC-SP-1, Solvent Cleaning prior to additional surface preparation or coating application. Surface must be clean, dry and free of any dirt, dust, oil, and all other visible contaminates.

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Surface Preparation

Recommended	SSPC SP 6 (Commercial Blast Cleaning)
Minimum	SSPC-SP-1, (Solvent Cleaning)

MIXING AND THINNING

Mix Directions
Stir thoroughly before and occasionally during use.

Thinning Directions
Product packaged ready to apply. If needed thin up to 10% maximum with Acetone, Xylene or Toluene.
(Xylene and Toluene will add VOCs to your product)

APPLICATION

Application Parameters

Relative Humidity	20%-70%
Minimum Temperature	40°F *
Maximum Temperature	85°F

*temperature must be at least 5° above the dew point during application

Curing Schedule	Alkyd	Polyurethane or Epoxy	Water Base
Dry to topcoat	30 – 60 min.	2 hours	1 hour

Application methods
The product can be applied by

Spray
Airless spray: .011”-.015”

Conventional spray: 0.8 mm – 2.2 mm

Brush/Roll Recommended for stripe coating and small areas. Care must be taken to achieve the specified dry film thickness.

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STORAGE

The product must be stored in accordance with local and national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Shelf life at 73°F (23 °C) = minimum of 12 months *

*When kept in recommended storage condition and original unopened containers.

CAUTION

Adequate health and safety precautions should be observed during storage, handling, use and curing periods.

READ SAFETY DATA SHEETS BEFORE USING THIS PRODUCT

DISCLAIMER

The technical data and suggestions for use in this product data sheet are currently correct to the best of our knowledge, but are subject to change without notice. Because application and conditions vary, and are beyond our control, we are not responsible for results obtained in using this product, even when used as suggested. The user should conduct tests to determine the suitability of the product for the intended use under then existing conditions. Our liability for breach of warranty, strict liability in tort, negligence or otherwise is limited exclusively to replacement of the product or refund of its price. Under no circumstances are we liable for incidental or consequential damages.

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