16P Series Universal Primer

Technical Data Sheet

PRODUCT DESCRIPTION

A phenolic modified alkyd universal primer designed for interior and exterior use on steel substrates. Acceptable topcoats include alkyds, acrylics, vinyl, epoxies, and urethanes.

Color: White, Black, Red Oxide, Yellow, Green, and Gray
Gloss: Flat & Satin (black)

PRODUCT AND PERFORMANCE DATA

Product Data

Property	Result
Volume solids (%)	36 - 41 ±2
Weight solids (%)	51 – 59 ±2
VOC	505 - 543 grams/L 4.21- 4.53 lbs./gallon
Recommended dry film thickness	1.5 – 4 mils
Recommended wet film thickness	4 – 10 mils
Theoretical Coverage (1.0 mil)	577 - 657 ft²/gal

Performance Data

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

**Testing performed on fully cured 16P900 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.

FORREST Technical Coatings
1011 McKinley Street
Eugene, OR 97402 USA
www.forrestpaint.com
info@forrestpaint.com
Ph: (800) 537-7201
(541) 342-1821

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.

Surface Preparation

Recommended	SSPC SP 6 (commercial blast cleaning)
Minimum	SSPC SP 2 or SP 3 (hand or power tool 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 Toluene or Xylene.

APPLICATION

Application Parameters

Relative Humidity	20% - 70%
Minimum Temperature	50°F (10°C)
Maximum Temperature	80°F (27°C)

Curing Schedule	Alkyd	Polyurethane or Epoxy	Water Base
Dry to topcoat	30 min	1 hour	1 hour

Application methods
The product can be applied by

Spray
Airless or air assist spray: 0.011 – 0.017 orifice size (in)

Conventional spray: 1.0 – 1.8 orifice size (mm)

*Aerosol touch-up available upon request. Contact your Technical Sales Representative for additional information.

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) = 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.

FORREST Technical Coatings
1011 McKinley Street
Eugene, OR 97402 USA
www.forrestpaint.com
info@forrestpaint.com
Ph: (800) 537-7201
(541) 342-1821