84P903

Technical Data Sheet

PRODUCT DESCRIPTION

A water based acrylic primer designed for industrial applications for multiple substates and under various topcoats.

Color: Gray
Sheen: Low

PRODUCT AND PERFORMANCE DATA

Product Data

Property	Result
Volume solids (%)	37 ± 2
Weight solids (%)	49 ± 2
VOC	140 g/L 1.17 lbs/gal
Recommended dry film thickness	1.5 – 3 mils
Recommended wet film thickness	4 – 8 mils
Theoretical Coverage (1.0 mil)	593 ft²/gallon
Dry to Handle (77 °F @ 50% RH) *	60 min

**Surface temperature, air movement, humidity and film thickness will all affect the dry time*

Performance Data *

Test Method	Standard	Result
Gloss @ 60°	ASTM D523-14	5-15
Adhesion	ASTM D3359	5B
Pencil Hardness	ASTM D3363	2H
Impact Resistance	ASTM D2794-90	100 in-lbs

**Testing performed on fully cured 84P903 product*

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.

FORREST Technical Coatings
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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 5% with water.

APPLICATION

Application Parameters

Relative Humidity	Above 50%
Minimum Temperature	40° F *
Maximum Temperature	90° F

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

Curing Schedule	Alkyd	Polyurethane or Epoxy	Water Base
Dry to topcoat	1 hour	24 hours	45 – 60 min

Application methods
The product can be applied by

Spray
Airless spray: .011” - .015”

Conventional spray: 1.0mm - 1.8mm

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) = 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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