914E Series

Technical Data Sheet

PRODUCT DESCRIPTION

Our quickest-dry high-gloss alkyd enamel designed for use on metal surfaces. Excellent for marking safety equipment, safety hazards and piping to comply with OSHA color standards. Multiple stocked bases allow for tinting on demand. May be used direct-to-metal or with a primer depending on application.

Safety Colors Available: Safety Red, Safety Blue, Safety Yellow, Safety Orange, Safety Green
Other colors: White, Black, Satin Black, Gray, and tintable bases for custom colors

PHYSICAL PROPERTIES

Property	Result
Volume Solids	35 - 42%
Weight Solids	47 - 52%
Viscosity	58 – 63 KU
Coating VOC	441 - 548 grams/L 3.7 – 4.6 lbs./gallon
Theoretical coverage (1 mil)	560 – 673 ft.²/ gal
Recommended dry film	1.5 – 5 mils
Recommended wet film	4.5 – 11.5 mils
To touch @ 77°F 50% r.h.	15 minutes
To handle @ 77°F 50% r.h.	30 minutes
Recoat @ 77°F 50% r.h.	Before 3 hours or after 24
Dry hard @ 77°F 50% r.h.	8 hours
Thinning and Clean up	Xylene

SURFACE PREPARATION

Pre-cleaning:
Clean all metal surfaces to be coated in accordance with SSPC-SP-1, Solvent Cleaning prior to additional surface preparation or coating application. All surfaces 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 2 or SP 3 (Hand or Power Tool Cleaning)

Suitable Primers: Metal - Forrest's 16P, 26P, 216P, 716P
Wood – Oil based primer to seal the surface

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 Xylene.

APPLICATION

Application Parameters

Relative Humidity	< 80%
Minimum Temperature	40°F
Maximum Temperature	100°F

**The application temperature should be at minimum 5°F above the dew point.*

Application methods
The product can be applied by:

Spray
Airless spray: 0.011" - 0.017"

Conventional spray: 1.3mm – 2.2mm

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

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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