FORREST Technical Coatings

214E Series Technical Data Sheet

PRODUCT DESCRIPTION

A Low VOC, Alkyd enamel that comprises under 3.5 lbs/gal VOC. A versatile, gloss enamel for use on substrates with interior or exterior exposure. Provides a durable and attractive finish for all types of industrial and agricultural equipment. Excellent application properties and quick dry to increase production. This product may be used direct-to-metal, for improved corrosion resistance, use a Forrest industrial primer.

Sheen: Full

PRODUCT DATA

Property	Result
Volume solids (%)	34 – 38 ± 2
Weight solids (%)	46 – 54 ± 2
VOC	398 – 417 g/L < 3.5 lbs/gal
Theoretical Coverage (1.0 mil)	545 – 610 ft²/gal
Recommended dry film thickness	1.5 - 3.0 mils 38 - 76 µm
Gloss @60º	60+
Dry to Handle	30 minutes
Recoat	< 4 hours or after 24 hours

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.

Surface Preparation

Recommended	SSPC SP 6 (Commercial Blast Cleaning)
Minimum	SSPC SP 2 or SP 3 (Hand or Power Tool Cleaning)

Suitable Primers: For metal - Forrest's 16P, 26P, 216P

FORREST Technical Coatings
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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, or Xylene. Do not use Xylene if VOCs are a concern.

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: .011” - .017”

Conventional spray: .8mm – 1.8mm

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) = at least 12 months *

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

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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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