54H050

Technical Data Sheet

PRODUCT DESCRIPTION

A silicone epoxy co-polymer with added zinc, designed to give excellent corrosion resistance in ambient or high temperature conditions up to 1200°F (649°C).

Color: Metallic Red Oxide
Sheen: Low

PRODUCT AND PERFORMANCE DATA

Product Data

Property	Result
Volume solids (%)	27 ±2
Weight solids (%)	38 ±2
VOC	645 ±2 g/L
Theoretical Coverage at 1.0 mil (25.4 µm)	433 ft²/gal
Recommended dry film thickness	0.8 to 1.2 mils
Recommended wet film thickness	3 to 4.5 mils
Dry to handle	30 minutes

Performance Data

Test Method	Standard	Result
Gloss @ 60°	ASTM D523-14	5 - 10
Adhesion	ASTM D3359	5B
Salt Fog	ASTM B117/D1654	336 hours (ambient)

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)

*Best results achieved with an average 0.5 mil blast profile.

MIXING AND THINNING

Mix Directions
Stir thoroughly before and occasionally during use, metallic or heavy pigments may settle.

Thinning Directions
Product packaged ready to apply. If needed thin up to 10% maximum with Xylene or Toluene.

APPLICATION

Application Parameters

Relative Humidity	30 – 65%
Minimum Temperature	50°F (10°C)*
Maximum Temperature	80°F (27°C)

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

We recommend allowing product to air dry for 4 hours before putting into service.

DO NOT APPLY TO A HOT SURFACE!

Curing Schedule	Alkyd	High Temp Topcoat
Dry to topcoat (@77°F and 50% R.H.)	1 hour	30 min

Application methods
The product can be applied by:

Spray
Airless spray: 0.009” - 0.013” orifice size

Conventional/HVLP spray: 1.0 mm – 2.0 mm

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

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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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