FORREST Technical Coatings

258H207 Technical Data Sheet

PRODUCT DESCRIPTION

A Silicone heat resistant coating designed for rapid curing and good working properties over ferrous and non-ferrous metal surfaces.

Color: Black
Sheen: Satin

PRODUCT AND PERFORMANCE DATA

Product Data

Property	Result
Volume solids (%)	14 ± 2
Weight solids (%)	25 ± 2
VOC	416 ± 0.5 g/L
Theoretical Coverage at 1.0 mil (25.4 µm)	225 ft²/gal
Recommended dry film thickness	0.8 – 1.2 mils
Recommended wet film thickness	5.5 – 8.5 mils
Dry to handle	30 minutes

Coating Post Burn Performance Results

Test	Temperature Tested	Time	Result	Method
Color after burn	1000°F (538°C)	8 hours	Pass	Muffle Furnace
Adhesion after burn	1000°F (538°C)	8 hours	5B	Muffle Furnace

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.

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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 10% maximum with Acetone.

APPLICATION

Application Parameters

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

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

Force Cure Schedule

Temperature	200°F (93°C)
Time	20 minutes

Application methods
The product can be applied by

Spray
Airless spray: 0.009” - 0.013” orifice size

HVLP/Conventional spray: 1.0 mm – 1.8 mm

*Aerosol touch-up available upon request. 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) = at least 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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