FORREST Technical Coatings

62H209 Technical Data Sheet

PRODUCT DESCRIPTION

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

Color: Metallic Black
Sheen: Flat

PRODUCT AND PERFORMANCE DATA

Product Data

Property	Result
Volume solids (%)	11 ±2
Weight solids (%)	19 ±2
VOC	773 ±2 g/L
Theoretical Coverage at 1.0 mil (25.4 µm)	176 ft²/gal (4.3 m²/L)
Recommended dry film thickness	0.8 – 1.2 mils 20.3 - 30.5 µm
Recommended wet film thickness	7.5 – 11 mils 191– 280 µm
Dry to handle	30 minutes

Performance Data

Test Method	Standard	Result
Gloss @ 60°	ASTM D523-14	2 - 5
Adhesion	ASTM D3359	5B
Pencil Hardness	ASTM D3363	2H
Impact Resistance	ASTM D2794-90	>120 in-lbs.* >120 in-lbs.**
Mandrel Bend Test	ASTM D522 Method B	Pass - 3/8 inch* Pass - 3/8 inch**

* test performed on air dried product after 48 hours
** test performed on force cured product

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	1100°F (593°C)	1 Hours	5B	Muffle Furnace

FORREST Technical Coatings
1011 McKinley Street
Eugene, OR 97402 USA
www.forrestpaint.com
info@forrestpaint.com
Ph: (800) 537-7201
(541) 342-1821

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.

Surface Preparation

Recommended	SSPC SP 6 (commercial blast cleaning)
Minimum	SSPC-SP-1 (solvent 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 Xylene or Toluene.

APPLICATION

Application Parameters

Relative Humidity	50 % ±10
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

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Application methods
The product can be applied by

Spray
Airless spray: 0.009” - 0.015” orifice size

Conventional spray: 0.8 mm – 1.8 mm

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

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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