

PRODUCT DESCRIPTION

A Silicone/Zinc high heat resistant coating designed for application on ferrous and properly prepared non-ferrous metals with exterior exposure. This product is also sold as 251H219 and 251H201.

Color: Black and Charcoal
Sheen: Flat

Benefits

Heat Resistant
Superior Coverage
Exterior Corrosion Resistance
Excellent durability

PRODUCT AND PERFORMANCE DATA

Product Data

Property	Result
Volume solids (%)	29 - 33
Weight solids (%)	50 - 55
VOC	420 g/l 3.5 lb/gal
Recommended dry film thickness	0.8 to 1.2 mils 20.3 to 30.5 μ m
Theoretical Coverage @ 1.0 mil (25.4 μ m)	508.4 ft ² /gal 12.5 m ² /L
Viscosity (#3 Zahn Cup)	24 - 26 seconds
Dry to handle	30 minutes

Performance Data

Test Method	Standard	Result
Gloss @ 60°	ASTM D523-14	2 – 5
Pencil Hardness	ASTM D3363	H
Salt Fog	ASTM B117/D1654	240 hours
Accelerated Weathering	ASTM D4587-11	100 % gloss retention 300 hours QUV A

Coating Post Burn Performance Results

Test	Temperature Tested	Time	Result	Method
Color after burn	1100°F (593°C)	8 hours	Pass	Muffle Furnace
Adhesion after burn	1200°F (648°C)	1 hour	4B	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 contaminants.

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 Toluene.

APPLICATION

Application Parameters

Relative Humidity	50 % ±10
Minimum Temperature	50°F
Maximum Temperature	80°F

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

Force Cure Schedule

Temperature	400°F (204°C)
Time	30 minutes

Application methods

The product can be applied by

Spray

Airless or air assist spray: 0.013 orifice size

Conventional spray: 0.070 orifice size

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

PACKAGING AND STORAGE

Packaging

1 – Gallon

5 – Gallon

Drums

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.