



251H Series

Technical Data Sheet

GENERIC TYPE

Silicone

PRODUCT DESCRIPTION

A Silicone/Zinc high temperature coating designed for application on ferrous and non-ferrous metal with exterior exposure.

Benefits

- High heat resistance
- Superior coverage
- Excellent corrosion resistance
- Excellent durability

PHYSICAL PROPERTIES

Property	Result
Volume Solids	29 - 33%
Weight Solids	50 - 55 %
Density	10 - 11 lbs./gallon
Coating VOC	420 grams/L 3.3 lbs./gallon
Viscosity	65 – 70 KU
Gloss @ 60°	2- 7
Theoretical coverage at 1 mil (25.4 µm)	480 ft.²/ gallon 11.78 m²/L
Recommended DFT	2.0 – 3.0 mils 50.8 – 76.2 µm
Dry to handle	30 minutes
We recommend allowing to air dry for 24 hours before putting into service	
Heat set	30 minutes at 400°F (204°C)
Reducer/Clean-up	Acetone @ 10% max
Salt spray Aluminized Cast aluminum CRS	Pass 500 hours Pass 500 hours 50% of panel Pass 250 hours, no rust or blisters



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APPEARANCE

Colors:	251H219	Black
	251H201	Charcoal
	251H102	Off White
Gloss:	Flat	

SURFACE PREPARATION

Proper product selection, surface preparation and application will affect the coating performance. Coating integrity and service life will be reduced by improperly prepared surfaces, as high as 80% of all coating failures are directly attributed to inadequate surface preparation. This will affect the coating adhesion to the substrate. Selection of the proper method of surface preparation depends on the substrate.

Recommended surface preparation is a white blast conforming to SSPC-SP 5 OR SP6. The unit should be painted immediately after sandblasting. Apply to sandblasted steel only. Sandblasting should be done with compressed air blasting or a centrifugal wheel using proper abrasives. Blasting should attain a profile of 0.5-0.75 mils (12.7-19.05 microns). Do not reuse contaminated sand or flint abrasives. Apply coating within 8 hours of blasting or before surface rusting occurs.

APPLICATION

Mechanically stir the product for 10-15 minutes before using. Conventional or airless spray equipment may apply this coating. When spraying in temperatures over 80°F reduce the product with Forrest Paint thinner 80T004. The product should never be thinned more than 10% by volume; this lowers the solids which could have an effect on the overall performance of the coating. Apply coating at: 7 to 10 wet mil thickness. Dry Film Thickness: 2 to 3 mils DFT. Do not apply over 12 mils wet (4mils dry). Loss of adhesion on heating may occur. Continuous measurements during application and a final dry film thickness check should be performed before unit is heated. Inadequate film build will shorten the life span of the material to resist corrosion. Any breaks in the film should be repaired by touchup before unit is heated. Be sure to remove all rust before repainting.

CLEAN UP

Clean spills and splatters immediately with paint thinner or a commercially available cleaner. Follow manufacturer's safety recommendations when using Xylene based cleaners. Allow 24 hours cure time @ 70°F before heating in service.

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.