

**DESCRIPTION**

Silicone/Zinc Exterior High Heat Coatings are a new step in the evolution of Stove Bright® High Heat Enamels. This silicone zinc complex actually improves in corrosion resistance after heating. Designed for exterior uses on silencers, mufflers, incinerators and general industrial applications, this product will exhibit excellent long-term performance.

**COLORS:**

251H219	Black
251H201	Charcoal
251H102	Off White

**PHYSICAL PROPERTIES**

Vehicle:	Silicone resin
Volume Solids:	29% - 33%
Weight Solids:	50-55%
Weight/Gallon:	10 - 11 lbs/gallon
Viscosity:	65 – 70 KU
Gloss:	2 - 7 @ 60°
Theoretical Coverage at 1 mil:	480 sq feet
Recommended:	
Wet Film:	7 to 10 wet mil
Dry Film:	2 to 3 mils DFT
Coverage @ 2.5 mils	190 sq feet
VOC:	420 gm/liter 3.3 lbs/gal
Cure Time:	48 hours
Reducer:	Acetone @ 10% max

**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 over all 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.

This product can be force cured at a temperature of 450°F (249°C) for 10 minutes.

**CLEANUP INFORMATION**

Clean spills and splatters immediately with paint thinner or a commercially available cleaner. Follow manufacturer's safety recommendations when using Xylene based cleaners. Allow 48 hours cure time @ 70°F before heating in service.

**SAFETY**

This product contains solvents and/or other chemical ingredients that mandate safety. Adequate health and safety precautions should be observed during storage, handling, use and drying periods.

**READ MATERIAL SAFETY DATA SHEETS  
BEFORE USING THIS PRODUCT.**
**LIMITATIONS**

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 and consequential damages.

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