

# **PRODUCT DATA SHEET**

## **HIGH TEMPERATURE COATING**

### **51H, 53H, 62H**



#### **Characteristics**

Forrest's Stove Bright® is a high heat coating formulated with a unique blend of heat resistant pigments in a silicone polymer resin that provides excellent color retention and film integrity in working temperatures up to 1200°F (650°C). This coating is designed for rapid curing and good working properties over ferrous and properly prepared non-ferrous metal surfaces. Ideal for wood stoves, stove pipes, heaters, engines, engine manifolds, and other metal surfaces subject to high temperatures.

#### **Physical Properties**

Vehicle	Modified Silicone
Viscosity	36-40 #4 Ford cup
Gloss	<20 @ 60° Geometry
Thinning/Cleanup	Xylene (Forrest's 3-T-2)
Rec. DFT	
Aluminized:	.5-1.5 DFT (12 -40 microns)
Mild Steel:	.8-2.0 DFT (20-50 microns)
VOC	5.19-6.12 lbs. /gal
Dry Time	Tack free in 15 minutes.
Re-coat time	May re-coat after 30 minutes
Max. Service Temperature	1200°F (650°C)
Color	See Stove Bright® color cards
Flexibility	Pass 1/8" mandrel bend
Impact (Direct/Reverse)	
Direct 40#	Reverse 10#
Cross Hatch: Cold rolled 4-B, Aluminized 4-B	

#### **Application**

For conventional spray reduce no more than 10% by volume with Toluene (Forrest's 3-T-1). For conventional spray application use 0.013 tip, with 35 to 40 pounds pressure. Dry time will vary with temperature, film thickness, air movement and humidity.

#### **Surface Preparation**

##### **DO NOT USE PAINT THINNER**

Surface must be clean, dry and free of oil, grease, mill scale and other contaminants. Possible cleaning methods include sandblasting (preferred), solvent scrub, wire brushing, or vapor degreasing. The repaired steel should then be solvent cleaned with Xylene, Toluene, or lacquer thinner. Use clean solvent and clean with wiping rags. Do not use colored rags containing dye, which may dissolve in the solvent leaving incompatible contaminants on the surface.

#### **Safety**

This product contains solvent and/or other chemical ingredients. 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. Our liability (including 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 circumstance are we liable for incidental and consequential damages.