



# TECHNICAL DATA SHEET

TECHNICAL DATA SHEET  
HI - HEAT BAKING ENAMEL  
AMS3125  
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**PRODUCT:** A ready mixed, high-heat baking enamel formulated with a modified silicone alkyd resin.

**DESCRIPTION:** Intrepid's High Heat Baking Enamel is a modified silicone alkyd coating designed to withstand temperatures of 600 to 800 Degrees Fahrenheit, depending on the color. There must be metal to coating contact between the substrate and the coating. *Do not use a primer.* This coating may be brushed, rolled or sprayed.

**PROPERTIES:** COLORS..... 16081  
FINISH..... Gloss  
Sheen SOLIDS (Weight).....  
62- 66% SOLIDS (Volume).....  
46 - 50% VISCOSITY.....  
60 - 70 KU **DRYING TIMES:**  
TO TOUCH..... 1  
hour DRY HARD..... 3  
hours FULL HARDNESS..... 400 F @  
1 hour

**ADVANTAGES:** (1). High Heat Resistance.  
(2). Silicone Alkyd.  
(3). Durable.  
(4). Air Dry.  
(5). Meets AMS3125 Specification

**USES:** (1). Aerospace Applications.  
(2). Boilers.  
(3). Heat Exchangers.  
(4). Engines.  
(5). Exhausts.



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## **SURFACE PREPARATION:**

Surface must be clean, dry, and free of all contamination before application.

## **APPLICATION:**

Apply by brush, roller or spray methods. For brush and roll, thin with Xylene Reducer at 10-15% by volume. For spray application, thin with Toluene at 10-15% by volume. Spray one tack coat followed by one full wet coat. Allow part to air dry for 45-60 minutes at room temperature. Pre-heat oven to 300 degrees Fahrenheit and place the part in the oven and bake for 30 minutes.

## **STEEL:**

Surface must be clean and free of all oil, grease, and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

## **PRECAUTIONS:**

KEEP OUT OF REACH OF CHILDREN.  
USE WITH ADEQUATE VENTILATION.  
AVOID CONTACT WITH SKIN AND EYES.  
READ MATERIAL SAFETY DATA SHEET BEFORE USING.  
CONTENTS ARE FLAMMABLE.