



# TECHNICAL DATA SHEET

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TT-P-28H Ty. I  
HI-HEAT ALUMINUM COATING  
500A81  
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**PRODUCT:** A ready mixed, low VOC, HAP's Free, high heat coating formulated with silicone resin to meet TT-P-28H Type I.

**DESCRIPTION:** *Intrepid's High Heat Coating* is a silicone coating designed to withstand temperatures of up to 1200 degrees Fahrenheit. 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.....	Limited Selection
FINISH.....	Low 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.

**USES:**

- (1). Aerospace Applications.
- (2). Boilers.
- (3). Heat Exchangers.
- (4). Engines.
- (5). Exhausts.

**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.



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## APPLICATION & REDUCTION:

Intrepid's High Heat Coating can be applied by brush, roller or spray. Brush and roll small areas only. Use a natural bristle brush. Do not over brush. Use a short nap mohair roller with a phenolic core. Avoid re-rolling! Thin with Xylene for brush & roll and Toluene or spray application. Spray using conventional or airless equipment with teflon packings. Spray one tack coat followed by one full wet coat to a dry film thickness of 1.5 mils per coat. Two coats are recommended over bare steel.

When spraying from an aerosolized product, you may need to use multiple thin coats to achieve proper hiding. If applied too thick, the material will run due to its thin nature coming from an aerosol can. Spray multiple thin coats keeping a wet edge during coating. repeat until proper film build thickness is achieved for you specific job.

## SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application. Coating must be applied to bare steel. Abrasive blast to a Near White Finish in accordance with SSPC-SP 10 for best results.

## PRECAUTIONS:

Contents are FLAMMABLE.  
Keep away from heat and open flame.  
KEEP OUT OF THE REACH OF CHILDREN!  
Do not take internally.  
Avoid breathing vapor or mist.  
Do not use in tank or pit without proper protection.  
Read Material Safety Data Sheet before use of this product.