



# TECHNICAL DATA SHEET

TECHNICAL DATA SHEET  
MIL-PRF-14105E  
HEAT RESISTING COATING  
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- PRODUCT:** A heat-resisting paint intended for use on steel that provides excellent protection.
- DESCRIPTION:** MIL-PRF-14105E is a high heat resisting coating intended for use on solvent degreased and abrasive blasted steel surfaces which are subject to temperatures as high as 1,400 Degrees Fahrenheit and exterior weathering.
- PROPERTIES:**
- |                       |                  |
|-----------------------|------------------|
| COLORS.....           | Per Fed.Std.595B |
| GLOSS(60 Degree)..... | 15 Maximum       |
| SOLIDS(Weight).....   | 70% Minimum      |
| GRIND.....            | 4 Minimum        |
| VISCOSITY.....        | 65 - 85 KU       |
- DRYING TIMES:**
- |                          |                    |
|--------------------------|--------------------|
| AIR DRY - TACK FREE..... | Within 1 Hours     |
| BAKING.....              | 400 Deg F - 1 Hour |
- ADVANTAGES:**
- (1). High Heat Resistance.
  - (2). Exterior
  - (3). Durable.
- USES:**
- (1). Mufflers.
  - (2). Manifolds.
  - (3). Heat Exchangers.
  - (4). Engines.
  - (5). Exhausts.
- APPLICATION:** Apply by brush, roller or spray methods. For brush and roll, thin with TT-T-291 Reducer at 10-15% by volume to achieve good flow and leveling. For spray application, thin with TT-X-916 Thinner at 10-15% by volume for proper atomization of the coating.



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## APPLICATION & REDUCTION:

MIL-PRF-14105E Heat Resisting paint 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 TT-T-291(Mineral Spirits) for brush & roll and TT-X-916(Xylene) for spray application. Spray using conventional or airless equipment with teflon packings. Apply coating so as to produce a dry-film thickness of 2.0 - 2.5 mils.

## SURFACE PREPARATION:

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

## 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.