Huntington Specialty Materials

Application Guide

HS-974 (single component)

Polysilazane Nano-Ceramic available in "Colors*"

The HS-974 is a high performance, ambient curable and/or oven cured high Temperature use product.

The HS-974 coating is designed for uses that demand a coating that offers;

- High Temeraure & Flame Resistantance
- Good Corrosion Resistance
- A long lasting, Smooth, Thin Film Coated surface

HS-974 Solid Tone Coating was formulated for simple application & high performance results.

Note! Surfaces must be free from oils and other containments before starting the coating process.

Application on metals and/or alloy components;

- General note!!! When Possible, it is always best to create a blast profile by a fine 120 grit aluminum oxide, garnet or equal, on all of the surfaces that will be coated.
- **(Do not use Glass or natural Sand as this will impede the adhesion or the coating to the surface).**
- **(Do not handle blasted parts with bare hands, as salts/acids will contaminate the surface and possibly cause a loss of adhesion in those areas that will see extreme heat or extreme weathering).**

➢ Mix contents well before applying to ensure that no solids are in the bottom of the container.

➢ With clean dry air blow off any dust from the surfaces, preventing contaminating the coating.

➢ **Exterior coating:**

- ✓ **With a HLVP or similar spray gun fitted with a fine tip (i.e. 0.8);**
  - A finer spray mist is better, enabling the product to flow out easier and help control the products thickness.
- ✓ **Now start to spray all of the hardest areas to coat first;**
  - Then start to spray the remaining areas until the entire surface is coated with an approximate dry film thickness of .4 to 0.7 mil.
- ✓ Let the coated parts ambient dry to a "Dry to the Touch" film, a warm 110°F(max) air flow will speed this up.
- ✓ **Do not** put parts in an oven to cure – prior to totally achieving **"Dry to Touch".**
- ✓ **NOTE!** An ambient 5 day cure will result in a tougher **&** durable finish than oven curing, as the solvents leave slowly vs. being thermally forced out through the coating, opening micro-pores.

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