



AeroKret Topcoat Solution

TECHNICAL DATA AND INFORMATION

AeroKret topcoat solution is a siloxane-based nano-composite sprayable formulation, designed to resist erosion, corrosion, cavitation, and weathering of a wide range of industrial parts. The coating is hydrophobic and has low adhesion to biomass and ice. The topcoat solution is applied on the AeroKret primed surface. The coating thickness is built by spraying and ambient curing successive layers.

Type

One part, non-toxic, 100% siloxane based ambient cure coating

Color

Dark gray, other colors on request

Density

7.6 to 7.9 pounds/gallon (0.91 to 0.95 grams/cc)

Theoretical Coverage

560 to 640 sq ft/mil/gallon

Thickness

A minimum thickness of 6 to 8 mils (150 to 200 microns) is recommended for most industrial applications.

Packing

Shipped in ready-to-spray condition in one-gallon can or five-gallon pail

Shelf Life

2 years minimum in unopened condition

Repair

Repair using AeroKret paste

Removal

Commercial paint strippers such as ACE strippers, semi-paste or heat gun

Other Formulations

High thermal conductivity, anti-static and other application-specific properties

Application Methods

Airless spray on AeroKret primed surface. For thin coating, HVLP is feasible.

Surface Preparation

Wipe the AeroKret primed surface clean with the topcoat solution, using a lint-free cloth for best adhesion.

Number of Coats

Spray a mist coat of 1 to 3 mils thick (25 to 75 microns). After 2 hours, spray a first coat of 4 to 6 mils. Spray subsequent coats of 4 to 6 mils to the required thickness at 1 to 2 hour interval. Cure for 1 day for thin (less than 10 mils) and 2 to 3 days for thick coating. Cure temperature of 65 to 75°F and relative humidity of 30 to 70% is recommended.

Pot Life

More than 8 hours, when paint can and gun are kept sealed without exposure to air

Time to Service

Coated part can be handled after 3 hours. Minimum service time is 1 day for 6 to 8 mils thickness and 3 days for higher thickness. It is recommended to cure the topcoat in a well-ventilated area

Service Temperature

-70 to 400°F (-55° to 200°C)

The information in this data sheet is based on the best available data and practices known to AS&M, Inc. It does not consist of representations or warranties of performance, results or comprehensiveness of such data.



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