

26AV-10

AIR DRYING, CORROSION INHIBITING SINGLE COMPONENT EPOXY
SERIES E936



PORT BYRON, IL 61275 • (309) 523-2121
 1-800-747-1084 FAX # 1-309-523-3912

DESCRIPTION

26AV-10 is an air drying single component epoxy coating formulated to provide excellent fluid resistance and corrosion protection. This product shares the same resin system as **Sandstrom 27A** Solid Film Lubricant (MIL-L-46147B), a material which has obtained a proven track record through years of industrial and military applications around the world.

TYPICAL USES

Sandstrom **26AV-10** can be applied to all metallic and non-metallic surfaces by spray or dip application wherever parts require corrosion protection and fluid resistance.

COMPOSITION AND PHYSICAL PROPERTIES

Net Weight (Uncut)	7.2 ± .2 lbs./gallon	Fluid Resistance	Resistant to following fluids: (Method 7001 of Federal Test Method Std 791) Std Test Fluid Hydrocarbon TT-S-735, Type II Cleaning Compound, Solvent MIL-C-372B Gasoline, Aviation MIL-G-5572, Grade 115/145 Hydraulic Fluid, Petroleum MIL-H-5606 Turbine Fuel, Aviation MIL-T-5624, Grade JP-4 Lubricating Oil, Aircraft MIL-L-6082, Grade 110 Lubricating Oil, Aircraft Turbine MIL-L-7808 Hydraulic Fluid, Non-petroleum MIL-H-8446 Silicone Fluid, Dow Corning DC-550 or equal And Others
Non Volatiles	Clear 10.4 - 11.4% by weight Black 12.5 - 14.0% by weight	Method of Application	Conventional spray or dipping
Viscosity	#1 Zahn cup @ 77°F Clear 30 - 35 seconds Black 34 - 38 seconds	Thinner	<u>Spraying:</u> Use as received. If necessary to thin, reduce sparingly with Thinner Blend (MEK and PM blended 1:1) <u>Dipping:</u> Use as received.
Flash Point	40°F ± 2°F SETAFLASH	Clean Up	Use same solvents for cleaning tools as are recommended for thinning.
Operating Temperature Range	-320°F - +300°F	Odor	Strong Solvent
Vehicle Type	Epoxy		
Color	Clear and Black		
Shelf Life	1 year from date of shipment		
Storage Conditions	40°F to 90°F		
Dry Film Thickness	.0003" to .0007" DFT recommended. Use this as a guideline to determine the optimum DFT for your specific application.		
Corrosion Protection	OVER PLAIN STEEL 190 Hours OVER ZINC PHOSPHATE 1000 Hours (5% Salt Spray @ .0005" DFT)		

NOTICE

Before using this product, read all warnings and safety information printed on the label, the Material Safety Data Sheet, and the Technical Info-Guide.

GENERAL

Sandstrom **26AV-10** is an air dry single component epoxy coating thinned with appropriate solvents. For maximum service, the APPLICATION INSTRUCTIONS MUST BE FOLLOWED CLOSELY. This coating is flammable and safety precautions usually followed when using flammable materials must be observed.

COVERAGE

One gallon of this material will cover approximately 230 sq. ft. with a dry film thickness of .0005 inches. Coverage depends upon methods of application and other variables such as overspray and type of surface to be coated. Above coverage rates are based on 100% efficiency.

SURFACE PREPARATION

The following surface preparations are recommended for the individual metals listed to develop maximum adhesion and corrosion protection. Please contact Sandstrom Products Company for substitute surface preparations if recommended steps cannot be followed.

STEEL - Degrease using naphtha meeting the requirements of FED spec TT-N-95, grit blast (30-60 rms optimum), remove grit blast debris from surface, zinc phosphatize (1100-1600 milligrams per sq. ft.).

STAINLESS STEEL - Degrease using naphtha meeting the requirements of FED spec TT-N-95, grit blast (30-60 rms optimum), remove grit blast debris from surface, passivate.

ALUMINUM - Degrease using naphtha meeting the requirements of FED spec TT-N-95, anodize (hot water or nickel acetate seal only) or hard coat and seal.

TITANIUM - Solvent wash (nonchlorinated) and alkaline anodize.

COPPER ALLOYS - Degrease using naphtha meeting the requirements of FED spec TT-N-95, then pretreat using one of the following methods (in order of preference).

- a) Black oxide treat (according to MIL Spec MIL-F-495C)
- b) Bright dip or grit blast (30-60 rms optimum)

IMPORTANT! AVOID TOUCHING THE SURFACES TO BE COATED WITH FINGERS--OIL FROM HANDS WILL INTERFERE WITH PROPER COATING.
Whenever possible treat both contact surfaces (i.e., the shaft and the bearing)

STIRRING

IMPORTANT! THIS COATING CONTAINS HEAVY PIGMENTS WHICH SETTLE RAPIDLY. THEREFORE, IT SHOULD BE STIRRED THOROUGHLY BEFORE USE AND **CONTINUOUSLY** DURING APPLICATION.

THINNING

For spraying - Use as received. If necessary to thin, reduce sparingly with Thinner Blend (MEK and PM blended 1:1).

For dipping - Use as received.

APPLICATION

Sandstrom **26AV-10** should be sprayed or dipped to the desired film thickness (usually .0003 to .0007 inches). Allow parts to dry at least 30 minutes to 1 hour before doing light assembly work. Full hardness and chemical resistance are reached after 18 hours at temperatures of 60°F or above.

After a flash time of 30 minutes, cure can be accelerated by baking at 250°F for 30 minutes, or force cured by using moving hot air or infrared bulbs.

CLEANUP

Use the same solvents for cleaning tools as are recommended for thinning.

REMOVAL OF SANDSTROM 26AV-10

In the event it is necessary to remove **26AV-10**, physical removal is best (such as grit blasting, sanding or grinding). Also, selected epoxy cold strippers will remove **26AV-10**.

****Strict compliance to instructions given in Surface Preparation, Stirring and Application is essential to obtain optimum results.**

WARNINGS: Constant stirring is imperative for best results. Caution: Flammable. Keep away from sparks and open flame. Use with adequate ventilation. Avoid prolonged breathing of vapors.
If swallowed--DO NOT INDUCE VOMITING.
Contains MEK.
Call physician immediately.