

TECHNICAL INFORMATION GUIDE

26AV-10

AIR DRYING, CORROSION INHIBITING SINGLE COMPONENT EPOXY
SERIES E936



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DESCRIPTION

26AV-10 is an air drying single component epoxy coating formulated to provide excellent fluid resistance and corrosion protection. This product has the same resin system as the original **Sandstrom 26A** Solid Film Lubricant, a material which obtained a proven track record through decades 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. Sandstrom **26AV-10** has found use in the electronics industry as a protective coating in circuit board applications.

COMPOSITION AND PHYSICAL PROPERTIES

Net Weight (Uncut)	7.2 ± .25 lbs./gallon	Fluid Resistance	Resistant to following fluids
Non Volatiles (theoretical)	10.00 - 14.00% by weight	MIL-PRF-46147 Table 1 Immersion Fluids	
Viscosity	#1 Zahn cup @ 77°F 30 - 40 seconds #1 Zahn		ASTMD1193 MIL-PRF-372 MIL-DTL-83133 JP8 MIL-PRF-63460 MIL-PRF-14107 VV-D-1078
Flash Point	23F	Method of Application	Conventional spray or dipping
Operating Temperature Range	-320°F - +300°F	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.
Vehicle Type	Epoxy	Clean Up	Use same solvents for cleaning tools as are recommended for thinning.
Color	Clear and Black custom colors available	Odor	Strong Solvent
Shelf Life	1 year from date of shipment		
Storage Conditions	40°F to 100°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 168+ Hours OVER MANGANESE PHOSPHATE 400+ 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 120 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 in the Application Appendix of the military specification to develop maximum adhesion, and corrosion protection. Please contact Sandstrom Products Company for substitute surface preparations if recommended steps cannot be followed.

Application on steel. Preclean the steel surface with aliphatic naphtha or any other EPA compliant cleaner that sufficiently cleans surfaces to pass ASTM F22. Sandblast the surfaces with 180-220 grit aluminum oxide. Phosphate IAW MIL-DTL-16232, type M, class 3 or type Z, class 3.

Application on stainless steels. Preclean the steel surface with aliphatic naphtha or any other EPA compliant cleaner that sufficiently cleans surfaces to pass ASTM F22. Sandblast the surfaces with 120 grit aluminum oxide. Passivate the surfaces with ASTM A967, types nitric 1, nitric 2 or nitric 3, as applicable.

Application on aluminum and aluminum alloys. Preclean the aluminum surface with aliphatic naphtha or any other EPA compliant cleaner that sufficiently cleans surfaces to pass ASTM F22. Sulfuric acid anodize IAW MIL-A-8625 and seal the surface.

Application on titanium and titanium alloys. Degrease the surfaces to be coated with aliphatic naphtha or any other EPA compliant cleaner that sufficiently cleans surfaces to pass ASTM F22. Sandblast the surface with 180-220 grit aluminum oxide and alkaline anodize.

Application on copper and copper alloys. Preclean the copper surface with aliphatic naphtha or any other EPA compliant cleaner that sufficiently cleans surfaces to pass ASTM F22. Sandblast the surfaces with 180-220 grit aluminum oxide. Form a black oxide finish on the surfaces.

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.

IMPORTANT NOTICE TO BUYER / WARRANTY AND LIMITATIONS ON OUR LIABILITY

We warrant our products to be free of manufacturing defects, and that they meet our current published physical properties and specifications. All information and suggestions presented are rendered gratis and is accurate to the best of our knowledge. They are based on technical data which we believe to be reliable, and are intended for use by persons having skill and "know-how," at their own discretion and risk. Prior to use, customers are cautioned to determine the suitability of our products for any given application through their own testing. NO WARRANTY IS MADE, EXPRESS OR IMPLIED, REGARDING SUCH INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS OBTAINED FROM ITS USE OR THAT OUR PRODUCT SHALL BE MERCHANTABLE OR FIT FOR ANY PARTICULAR PURPOSE. SUCH STATEMENTS ARE NOT INTENDED TO SUGGEST INFRINGEMENT OF ANY PATENT. Since conditions of use of our products are beyond our control, all suggestions and statements are made without guarantee, warranty or other responsibility, express or implied, on our part. We assume no responsibility for results obtained, or damages incurred, from their use beyond replacing material proved to be defective or refunding the purchase price of such material at our option. Acceptance of delivery of our product means you have accepted the terms of this warranty, whether or not purchase orders or other documents state terms that vary from this warning. No seller is authorized to make any representations or warranty or assume any other liability on our behalf with any sales of our products. © 2/1/98 SANDSTROM PRODUCTS COMPANY December 29 2011