



SOUND DEADENER

OEM COATING: AIR DRY

SERIES B983 – LOW VISCOSITY DESIGN

ELASTOMERIC THERMAL AND ACOUSTICAL BARRIER



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DESCRIPTION

Sound Deadener provides an acoustical barrier when applied alone over various substrates. Typically the product is applied by airless spray.

OUTSTANDING FEATURES/BENEFITS

- Low VOC
- Easy to apply & Easy to clean up
- Single component
- High temperature stability
- Chemically resistant
- Waterborne
- Low temperature flexibility

TYPICAL USES

Sound Deadener acts as a thermal and acoustical barrier in various vehicle cab or firewall applications when used in conjunction with resin bonded fiberglass.

NOTICE

Before using this product, read all warnings, limitations and safety information printed on the product label, Safety Data Sheet (MSDS), and Technical Data Sheet.

LIMITATIONS

- KEEP FROM FREEZING.
- STORE BELOW 90°F.

ADDITIONAL VARIATIONS AVAILABLE

- Higher viscosity design (B982) (160 – 180 KU's @ 77°F, Stormer Viscometer
- Flame retardant design (B986-C01)

Please ask a Sandstrom representative for technical assistance and/or details.

COMPOSITION AND PHYSICAL PROPERTIES

All listed properties represent the B983-B01 Black, Low Viscosity design.

Net Weight per gallon	13.48 lbs. (Theoretical)	Vehicle	Acrylic
Weight Solids	68% ± 1%	Lubricating Pigment	None
Volume Solids	48.86% (Theoretical)	Color	Black, Neutral Base, Black Colorant for Neutral Base, Aluminum Concentrate for Neutral Base
VOC	0.0345 lbs./gallon	Color Stability	Not for exterior exposure use
Odor	Slight Ammonia	Finish	Matte
Mix Ratio	N/A: B983-B01 is ready for use	Gloss	N/A
Viscosity <i>ASTM D562</i>	100 – 110 KU's @ 77°F <i>Stormer Viscometer</i>	Cleanup	Water
Shelf Life	9 months from date of manufacture	Thinner	Use as supplied
Storage Conditions	50°F – 90°F	Drying Time:	@77°F ± 5°F and ≤ 70% relative humidity; adequate ventilation
Freeze/Thaw Stability	Must be maintained above 40°F	<i>Tack Free</i>	2-3 hours @ 30 mils dry
Flash Point	>205°F	<i>Dry Hard</i>	6-8 hours @ 30 mils dry
Coverage Rate*	27 sq. ft./gal @ 30 mils dry	<i>Complete Cure</i>	1 week
Recommended Coats	1	Force Cure:	Not advised
Dry Film Thickness	30 mils		

*Actual figures do not include spray loss. Also allow for surface irregularities and porosity, as well as material loss when mixing.

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 are accurate to the best of our knowledge. They are based on technical data 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. SANDSTROM PRODUCTS COMPANY

PERFORMANCE AND FUNCTIONAL PROPERTIES	
<i>All listed properties represent the B983-B01 Black, Low Viscosity design.</i>	
Breaking / Tensile Strength	<i>Method:</i> ASTM D751, Grab Method Required: Coating strength 10.5 kN/m Pass: 11 kN/m
Chemical / Fluid Resistance	<i>Method:</i> Wipe or spot test specimen on coated surfaces at room temperature with typical chemical (e.g., gasoline, diesel fuel, hydraulic fluid, grease). Examine at time of application and after 24 hours. Required: No evidence of tackiness of coating. Pass: Some swelling on spot tests, but no evidence of tackiness or breakdown of coating.
Corrosion Protection	<i>Method:</i> ASTM B117 Required: 500 hours, No change in original properties. Pass: 500 hours, No cracking or deterioration of coated surfaces.
Flammability Resistance	<i>Method:</i> Dry test specimen for 3 hours @ 195°F - 205°F. Test IAW ASTM D1692. Required: Coating shall be self-extinguishing. Pass: Self-extinguishing.
Flexibility	<i>Method A:</i> Condition test specimen for 3 hours @ 195°F - 205°F. After cooling, bend 90 degrees over a 2" diameter mandrel with coated side out. <i>Method B:</i> Condition specimen for 1 hour @ 450°F. After cooling, bend over 1/8" mandrel. Required: A and B, Coating shall remain flexible and show no evidence of breaks on surface. Pass: A and B, No surface evidence of cracking.
Puncture Resistance	<i>Method:</i> Condition a 1" thick specimen for 5 hours @ 20°F. While in this atmosphere, use a 0.75" diameter ball to compress coated side of sample to 0.63". Required: Shall show no visible breaking of the coated surface. Pass: No visible breaking of coated surface.
Tearing Strength	<i>Method:</i> ASTM D751, Tongue Method Required: Coating strength 4.45 N minimum Pass: 4.7 N
Temperature Resistance	<i>Method:</i> Place 10 x 10 cm test specimen coated surface in contact with a typical aluminum or steel panel, expose to 245°F - 255°F for 3 hours. Cool and separate specimen from test panel. Required: Shows no evidence of fusing of the surface coating to panel. Pass: No fusing of coating to panel.

COVERAGE

One gallon of B983 Low Viscosity Sounds Deadener will cover approximately 27 sq. ft. with 30 mils dry film thickness. Coverage depends on method of application and other variables such as type of surface to be coated. Above coverage rates are based on 100% efficiency.

SURFACE PREPARATION

Surfaces must be clean, dry, and free of all dirt, grease, wax, loose or peeling paint, oil and other contaminants. Contaminated surfaces do not provide a suitable substrate for proper coating adhesion resulting in reduced performance.

IMPORTANT! DO NOT TOUCH CLEAN SURFACE WITH FINGERS - OIL FROM THE HANDS WILL INTERFERE WITH PROPER COATING ADHESION.

STIRRING

IMPORTANT! THIS COATING SHOULD BE STIRRED THOROUGHLY BEFORE USE AND PERIODICALLY DURING APPLICATION.

THINNING

Use coating as supplied.

APPLICATION

Sound Deadener is typically applied by airless spray.

DRYING

Allow coated parts to air dry at 77°F ±5°F and < 70% relative humidity, @ 30 mils dry film thickness:

- Tack free 2-3 hours
- Dry hard 6-8 hours
- Complete cure 1 week

CLEANUP

Use water immediately.

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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 are accurate to the best of our knowledge. They are based on technical data 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. SANDSTROM PRODUCTS COMPANY