

TECHNICAL DATA SHEET

PISTON SKIRT COATING



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SERIES E724 For Screen Printing

(Also available in Pad Print and Spray versions.)

DESCRIPTION

Sandstrom **Piston Skirt Coating** is a heat curing solid film lubricant for use in piston skirt applications. This coating provides very low friction and extremely low wear against conventional cylinder bore surfaces honed to a standard 10 - 20 microinch surface finish. It is also suitable for applications requiring extremely low wear and corrosion resistance against most surfaces involving boundary lubrication conditions such as oil pump wear surfaces, cylinder bore surfaces etc.

OUTSTANDING FEATURES/BENEFIT

- Very low frictional characteristics
- Excellent corrosion resistant over both aluminum and cast-iron substrates
- Long wear life

TYPE: Epoxy
FINISH: Matte Dark Gray
PACKAGING: One gallon cans, One Quart Cans

SURFACE PREPARATION

CAST IRON Use Acetone to thoroughly degrease surfaces to be coated. Surface etching is recommended.
ALUMINUM Clean with a mild alkaline, silicate free, low etching cleaner to remove oils and oxide film. Pretreat using a chrome free chemical conversion phosphate coating. Seal with a chrome free sealer.

APPLICATION

Apply **E724 Piston Skirt Coating** as supplied by screen method. If necessary, reduce sparingly with thinner blend listed below. Temperature of product at time of coating should be 77F +/- 5F. Follow bake schedule listed below.

COMPOSITION AND PHYSICAL PROPERTIES

Net Wt./ Gallon	11.0 lbs. ± .5 lb.	Shelf Life	3 Months @ 38°F / 3°C 4 Months @ 32°F / 0°C 5 Months @ 20°F / -7°C
Solids Content	75.0% ± 10%	Coefficient of Friction	Dry @ 77°F 0.04 - 0.06 Dry @ 340°F 0.03 - 0.05 5W - 40W Oil @ loads to 10.03 MPa 0.03 - 0.06
Viscosity	8,000 - 11,000 Cps @ 77°F	Corrosion Protection	Pass 200 hours in spent oil @ 300°F with no peeling, delamination or distress
Flash Point	140°F ± 2°F (T.C.C.)	Application	Screen
Maximum Operating Temperature Range	Loads with no more than 0.1 MPa 625°F Up to 5.2 MPa 400°F Up to 70 MPa 625°F	Film Thickness	10 - 50 Microns
Vehicle Type	Epoxy	Thinning	Cyclohexanone, Butyl Carbitol Blend or Cyclohexanone
VOC	3.67 lbs./gallon	Bake Schedule	30 minutes at 225°F followed by 30 minutes at 400°F
Color	Flat Dark Gray		

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 IT'S 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. © 2/19/98 SANDSTROM PRODUCTS COMPANY
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