



Aerolube Technologies



Technical Data Sheet

5003 Solid lubricant paste with extremely low coefficient of friction for effective running-in and metal assembly

Applications

- As a low friction running-in, metal priming paste for all new or rebuilt mechanical equipment such as gears, sliding bearings, slide ways, joints, sleeves, splines, cams, journal bearings.
- As a press-fitting lubricant to reduce press-fitting power required and prevent misalignment, seizure, wear, distortion especially under heavy load conditions.
- For lubrication of all sliding metal surfaces to reduce wear, friction and prevent cold-welding of surfaces such as for shafts, bushes, splined shafts, pumps, valves, threaded spindles, moving screws, toothed gears, worm gears and transmission gears, lead screws, machine tool guides, pumps, flanges, anti friction bearings, ball and roller bearings, shafts, bolts and pulleys.
- As a universal assembly paste to reduce tightening torque required; for enabling easy and non-destructive disassembly of components after long operational hours under operating and temperature variations.
- As a antifriction and anti wear lubricant for heavily loaded surfaces under slow sliding speeds for preventing cold welding of sliding surfaces under heavy loads.
- As a standard anti seize compound for all threaded connections during assembly stage for maintenance free dismantling.

Benefits

- Extremely wide service temperature range of -35°C to +450°C
- Low coefficient of friction
- High pressure withstanding capacity
- Load bearing capacity exceeds the yield point of most metals
- Prevents metal-to-metal contact and offers protection from wear and friction
- Prevents seizure, scoring, galling, fretting corrosion and stick slip
- Reduces press fitting force required and prevents distortion or misalignment
- Makes assembly easier and disassembly rapid and non-destructive irrespective of operational period or conditions
- Economical to use owing to its high surface coverage capacity
- Aids running in and provides emergency lubrication during start ups

Directions for Use

Clean the sliding surfaces and friction points. Apply this paste with a brush or cloth and rub intensively on the metal surface to form a thin uniform film. Do not use in excess as is customary with greases. Do not mix with other oils or grease.

Available Packaging

1 kg

Shelf Life

60 months from date of manufacture in sealed condition.

Aerolube Technologies

A-501, Kabra Centroid, 168/169, Vidyanagari Marg, Kalina, Santacruz (E), Mumbai - 400 098. Mobile : 93200 01540
E-mail : sales@aerolubeindia.com | aerolubetech@rediffmail.com | Website : www.aerolubeindia.com



5003 Solid lubricant paste with extremely low coefficient of friction for effective running-in and metal assembly

TECHNICAL PROPERTY

PARAMETER	VALUE	UNIT	METHOD
Type	Solid lubricants and additives in oil		
Appearance	Smooth homogenous paste		
Color ¹	Black		
Penetration - unworked	250-280	mm/10	ASTM D 217
Density, @ 25°C	1.30 -1.50	g/cm ³	
Service temperatures ²	-35 to +450	°C	
SKF-Emcor Degree of corrosion	0 / 0		DIN 51 802
Water resistance, static evaluation	1-90		DIN 51 807 pt.1
Coverage	40	m ² /kg	
Four ball test, weld load	5300	N	DIN 51 350 pt. 4

1. Minor color variation of the same product but of different batches could be possible. However the lubrication values remain unchanged.
 2. Solid lubricants maintain lubrication up to +450 °C

General

Use in well ventilated areas. Avoid continuous breathing of vapor and spray mist. In closed areas or areas with poor ventilation, use respiratory protection. For complete details on safety, short and long term exposure, refer to this product’s safety data sheet (SDS).

Disposal

All used and unused product should be disposed of in accordance with state regulations.

Handling

Read instructions on the container label of the product before use. The product safety data sheet (SDS) contains the relevant information regarding personal protective equipment, safe use, physical and health hazards. Safety data sheet is available from Aerolube or your local Aerolube distributor.

Limited Warranty

The information and data contained in this sheet is accurate to the best of our knowledge or is obtained from sources, tests or experiences believed by us to be reliable and accurate. User is responsible for determining whether recommended Stanvac product is fit for a particular purpose. All products should be tested for suitability on a particular application prior to actual use. We make no representations of any kind. Data offered without warranty. Product manufactured is for industrial use only.