

# Product Information

## Specialty Lubricants

# JETEX DRYBOND-100 MOS Anti-friction Coating

### FEATURES

- Outstanding lubricating, coupled with corrosion protection properties
- Resistant to oil, grease, solvents and many other chemicals
- Avoidance of fretting corrosion

### SPECIFICATIONS

- Complies with TL 8010-026/1

### COMPOSITION

- Solid lubricants
- Organic binder
- Solvent

### Heat-curing dry lubricant

### APPLICATIONS

- Sliding coating of metal to metal combinations with slow to moderately fast movements and moderate to high loads.
- Suitable for highly stressed sliding areas with low sliding speeds, oscillating movements or intermittent operations. For improving the running-in process, for permanent lubrication at high temperatures and also where oils and greases cannot be used.
- Used successfully for piston rings and tappets of combustion engines, magnetic armatures of vehicle starter motors, parts of vehicle brakes, locks, hinges and pumps.
- Corrosion protector for hydraulic and pneumatic parts.

### TYPICAL PROPERTIES

Standard*	Test	Unit	Result
	Color		Greyish black
	<b>Physical properties</b>		
DIN 53217/2	Density at 20°C	g/ml	1.10
CTM 0242 I	Nonvolatile content	%	31
	Storage life	years	5
	<b>Temperature</b>		
	Curing time	min/°C	30/220
	Curing time	min/°C	120/150
	Service temperature range	°C	-70 to 380
	<b>Load-carrying capacity, wear protection, service life</b>		
ASTM-D2625	Falex load-carrying capacity <sup>1</sup>	N	s=14700
ASTM-D2714	LFW-1, rotating <sup>1</sup> F=2860N, n=72 minutes <sup>a1</sup> , v=7.9m/minutes no. of revolutions x1000 to $\mu=0.1$		p=364
ASTM-D2714	LFW-1, oscillating <sup>1</sup> F=900N, frequency=89.5osc./minutes no. of oscillations to $\mu=0.08$		p=214
	<b>Resistance</b>		
	Radiation resistance	rad	10{

1. Surface pretreatment: p=phosphated, s=sand blasted.

\* CTM: Corporate Test Method, copies of CTMs are available on request.

ASTM: American Society for Testing and Materials.

DIN: Deutsche Industrie Norm

## **HOW TO USE Surface**

### **preparation**

First clean and degrease the surface which will be coated with JETEX DRYBOND-100 MOS Anti-Friction Coating. Phosphatization or sandblasting (180 grid) increases the adhesion and service life.

### **How to apply**

Stir the Anti-friction Coating thoroughly before applying by spraying, dipping, centrifuging or brushing. Recommended dry film thickness: 5 to 20µm.

### **Curing**

120 minutes at 150°C  
30 minutes at 220°C  
(Object temperature).

## **HANDLING PRECAUTIONS**

PRODUCT SAFETY  
INFORMATION REQUIRED FOR  
SAFE USE IS NOT INCLUDED.  
BEFORE HANDLING, READ  
PRODUCT AND SAFETY DATA  
SHEETS AND CONTAINER  
LABELS FOR SAFE USE,  
PHYSICAL AND HEALTH  
HAZARD INFORMATION. .

## **USABLE LIFE AND STORAGE**

When stored at or below 20°C in the original unopened containers JETEX DRYBOND-100 MOS Anti-friction Coating has a usable life of 60 months from the date of production.

## **PACKAGING**

This product is available in different standard container sizes.

## **LIMITATIONS**

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

## **WARRANTY INFORMATION - PLEASE READ CAREFULLY**

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that JETEXINDIA products are safe, effective, and fully satisfactory for the intended end use.