

# *Molykote*<sup>®</sup> D-7620 Anti-Friction Coating

## **FEATURES**

- Outstanding lubrication properties
- High compressive strength
- High temperature resistance
- Resistant to oils, greases and solvents
- Avoidance of fretting corrosion
- High abrasion resistance

## **COMPOSITION**

- Solid lubricants
- Organic binder
- Organic solvents

Heat-curing dry film lubricant

## **APPLICATIONS**

- For metal/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 permanent lubrication at high temperatures and also where oils and greases cannot be used.
- Used successfully for cylinder head gaskets and exhaust manifold gaskets of combustion engines.

## **TYPICAL PROPERTIES**

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

Standard*	Property	Unit	Result
	Color		Greyish black
	Service temperature range	°C	-70 to +300
	<b>Physical properties</b>		
ASTM D 1084 Method B	Dynamic viscosity at 23 °C	mPas	1300
DIN 51753	Density at 23°C	g/ml	1.2
ASTM D 56	Flash point	°C	40
	<b>Load-carrying capacity, wear protection, service life</b>		
ASTM-D2625	Falex load-carrying capacity <sup>1</sup>	N	p=14500
ASTM-D2714	LFW-1, rotating <sup>1</sup> F=2860N, n=72 minutes <sup>-1</sup> , v=7.9m/minutes no. of revolutions x1000 to μ=0.1		p=20
ASTM-D2714	LFW-1, oscillating <sup>1</sup> F=980N, frequency=89.5osc./minutes no. of oscillations x1000 to μ=0.08		p=57

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

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 *Molykote*<sup>®</sup> D-7620 Anti-Friction Coating. Phosphating and/or sandblasting (180 grit – 80 μm) increase the adhesion and service life.

### **How to apply**

Stir the Anti-Friction Coating thoroughly before applying by brushing, roller coating or coil coating.

Recommended dry film thickness: 5 to 20μm.

### Coverage

When applied at 15 µm dry film thickness *Molykote* D-7620 Anti-Friction Coating has coverage of approx. 13 m<sup>2</sup>/kg (this value does not consider the losses during the application process)

### Thinner

Recommended thinner is *Molykote*<sup>®</sup> 7415 Thinner

### Curing

Optimum curing schedule: 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. THE SAFETY DATA SHEET IS AVAILABLE FROM YOUR LOCAL DOW CORNING SALES REPRESENTATIVE.

### USABLE LIFE AND STORAGE

When stored at or below 23°C in the original unopened containers *Molykote* D-7620 Anti-Friction Coating has a usable life of 24 months from the date of production.

### PACKAGING INFORMATION

This product is available in different standard container sizes. Detailed container size information should be obtained from your nearest Dow Corning sales office or Dow Corning distributor.

### LIMITATIONS

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

### HEALTH AND ENVIRONMENTAL INFORMATION

To support Customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our website, [dowcorning.com](http://dowcorning.com) or consult your local Dow Corning representative.

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