

MOLYKOTE® 7405 ANTI-FRICTION COATING

Heat-curing dry lubricant

FEATURES

- ◆ Good corrosion protection
- ◆ Resistant to adhesion and abrasion
- ◆ Low coefficient of friction
- ◆ Resistant to oil, grease and solvents
- ◆ Avoidance of stick-slip
- ◆ Electrically insulating

COMPOSITION

- ◆ Solid lubricants
- ◆ Organic binder
- ◆ Solvent

APPLICATIONS

- ◆ For metal/metal and metal/plastic combinations with slow to moderately fast movements to high loads.
- ◆ Suitable for car door locks, small parts of cameras, cylinder head bolts and self-tapping screws.

TYPICAL PROPERTIES

Specifications writers: These values are not intended for use in preparing specifications. Please contact Dow Corning GmbH, Wiesbaden, Germany before writing specifications on this product.

Standard*	Test	Units	Result
	Colour		Yellowish, transparent
	Physical properties		
DIN 53217/2	Density at 20°C	g/ml	1.04
	Storage life	years	
	Load-carrying capacity, wear protection, service life		
ASTM-D2625	Falex load-carrying capacity ¹	N	b=8000
ASTM-D2714	LFW-1, rotating ¹ F=680 N, n=72 min ⁻¹ , v=7.9 m/minutes no. of revolutions x1000 to μ=0.08		p=63
ASTM-D2714	LFW-1, oscillating ¹ F=900N, frequency=89.5osc./minutes no. of oscillations x1000 to μ=0.08		p=4
	Fretting corrosion - Deyber tester		36x10 ⁶
	Coefficient of friction		
	Screw test: Erichsen, thread	μ	0.13
	Screw test: Erichsen, head	μ	0.09

1. Surface pretreatment: b=blank, p=phosphated

* 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 7405 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, brushing or printing. Recommended dry film thickness: 5 to 20μm.

Curing

60 minutes at 120°C (object temperature).

Solubility

Thinning can be carried out using MOLYKOTE®7414 Thinner.

HANDLING PRECAUTIONS

Product Safety Data Sheets should be obtained from your nearest Dow Corning sales office prior to use.

ATTENTION: Before handling, read product information, Product Safety Data Sheets and container labels for safe use, and any physical and/or health hazard information.

USABLE LIFE AND STORAGE

When stored at or below 23°C in the original unopened containers MOLYKOTE 7405 Anti-friction Coating has a usable life of 60 months from the date of production.

Dow Corning will guarantee the usable life of this product until the date indicated on the packaging. This date is shown by the letters "EXP" (meaning Expiry) followed by 4 digits, which stand for the month (last day) and year. Example: "EXP 03/99" means use by 31 March 1999.

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

Dow Corning's Health, Environment and Regulatory Affairs (HERA) Department is available to support customers for their product safety needs. For further information, you can contact this group at:

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