

MOLYKOTE® 3400 A

THERMOSETTING ANTI-FRICTION COATING

Thermosetting anti-friction coating for metal/metal combinations involving slow to medium-fast movements and medium to heavy loads

FEATURES

- ◆ Outstanding corrosion protection
- ◆ Excellent adhesion to metal
- ◆ Low friction coefficient
- ◆ High resistance to oil and fuels
- ◆ Prevents fretting corrosion
- ◆ Exceptionally wide service temperature range (-198 to +430°C)
- ◆ High abrasion resistance, consequently long service life
- ◆ High compressive strength

COMPOSITION

- ◆ Solid lubricants
- ◆ Corrosion inhibitors
- ◆ Organic binders
- ◆ Solvents

APPLICATIONS

- ◆ Suitable for permanent lubrication, with simultaneous corrosion protection, of friction contacts involving high compressive stress and low speeds, and wherever oils or greases cannot be used for technical reasons or are undesirable because of the risk of soiling.
- ◆ Used successfully on hinge pins, plain bearings, cams, keyways and dentate couplings on aircraft, on pins, springs and bearing surfaces of motor-car brakes, moving parts of locks, switches and regulators; on special chains and on all types of magnetic armature.

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	Unit	Result
	Colour		Grey
	Density		
ISO 2811	Density at 20°C	g/ml	1.2
	Temperature		
	Service temperature	°C	-200 to +430
	Load-carrying capacity, wear protection, service life		
ASTM-D2625	Falex pressure resistance ¹	N	p=20000*
ASTM-D2714	LFW-1, rotating F=2860, N,n=72 rpm, v=7.9 min, no. of revolutions to $\mu=0.1^1$		p=85000*
	LFW-1, oscillating, load 900N, frequency=89.5 os./min. no. of oscillations to $\mu=0.08^1$		p=42000*

1. * Surface: p = phosphatised

HOW TO USE

How to apply

Carefully degrease friction surfaces with solvent and allow solvent to evaporate completely. Stir the anti-friction coating thoroughly and apply by spraying, dipping, painting or centrifuging (dilute with MOLYKOTE® L 13 - approximately 10-20%). The friction surfaces should be coated as evenly and thinly as possible. Annealing: 2 hours at 150°C

or 1 hour at 200°C.

Diluting agent: L 13 thinners.

HANDLING PRECAUTIONS

A Product Safety Data Sheet 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 20°C in the original unopened containers MOLYKOTE 3400 A Thermosetting Anti-Friction Coating has a usable life of 60 months from the date of production.

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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:

Dow Corning Europe
HERA Department

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