

MOLYKOTE® 3400 A

Thermosetting anti-friction coating

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

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

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

Specification writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales representative prior to writing specifications on this product.

Standard	Test	Unit	Result
	Color		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

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 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.

PACKAGING

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 Health, Environment and Regulatory Affairs specialists available in each area.

For further information, please consult your local Dow Corning representative.

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 Dow Corning's products are safe, effective, and fully satisfactory for the intended end use. Dow Corning's sole warranty is that the product will meet the Dow Corning sales specifications in

effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. Dow Corning specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Unless Dow Corning provides you with a specific, duly signed endorsement of fitness for use, Dow Corning disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.