MOLYKOTE® D-9100 Anti-Friction Coating

Short description

Features

- Low Coefficient of Friction
- Excellent “anti-squeak” performance
- Good Adhesion to rubber/plastic
- Short time cure
- Water-based
- Translucent coating

Composition

- Organic binder
- Solid lubricants
- Water
- Stabilizer

Applications

- Lubricant for assembly and running of various plastic-on-plastic, plastic-on-rubber, metal-on-plastic and metal-on-rubber combinations.
- Lubricant for rubber & plastic O-rings, Oil seals

How to use

Surface preparation
First clean and degrease the surface which will be coated with MOLYKOTE® D-9100 Anti-Friction Coating.

How to Apply
Stir the MOLYKOTE® D-9100 Anti-Friction Coating thoroughly before applying by spraying or brushing. Recommended dry film thickness: 5 to 20µm.

Curing
30 seconds with Ultra Violet lamp (Metal halide lamp, 250W)

Solubility
Thinning can be carried out using distilled or tap water

Lubricity
Coefficient of Friction
MOLYKOTE® D-9100\ Anti-Friction Coating reduce Coefficient of Friction effectively while oscillation.

Typical properties

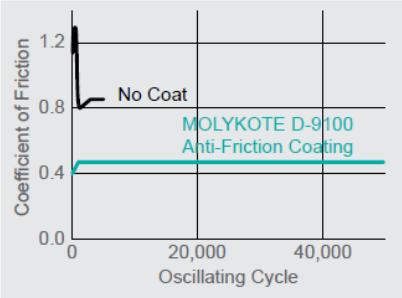
Specification writers: These values are not intended for use in preparing specifications. Please contact your local MOLYKOTE® sales representative prior to writing specifications on this product.

Standard	Test	Unit	Result
	Color		Translucent white
	Physical properties		
CTM 0020K	Viscosity at 25℃ (IWATA Cup)	seconds	13
JIS K 5407	Non-volatile contents	%	30
	Storage life	Months	12
	Recommended thickness	µm	5-20
	Temperature		
	Drying time	minutes	1
	Cure time	seconds	30
	Integrated quantity of light	mJ/cm^2	2,000
	Service temperature range after curing	ºC ºF	-40 to +120 -4 to +248
JIS K 5400	Cross cut adhesion (NBR rubber)	100 grid	No peel off

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

JIS: Japanese Industrial Standard

Cure time : Typical case – please refer to integrated quantity of light at existing process.



Handling precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. 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 ON THE DUPONT WEBSITE AT MOLYKOTE.COM, OR FROM YOUR MOLYKOTE® SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING MOLYKOTE® CUSTOMER SERVICE.

Usable life and storage

When stored between 2ºC (36ºF) and 40ºC (104ºF) in the original unopened containers, this product has a usable life of 12 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 MOLYKOTE® sales office or MOLYKOTE® 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, DuPont has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, dupont.com or consult your local DuPont 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 our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

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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.

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