



MOLYKOTE® D-7100

Lubotec Silver

FEATURES

- Corrosion protection performance
- Lubrication performance
- Silver appearance
- Heat-curing
- Chromium-free system

COMPOSITION

- Corrosion inhibiting package
- Lubricant package
- Inorganic binders
- Solvents

Heat-curing thin film fastener coating

APPLICATIONS

- Designed for automotive fastener systems such as bolts, nuts, clips, clamps and other body chassis components.
- Combination of lubrication and corrosion protection performance in one coating.

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		Silver
	Physical properties		
DIN EN ISO 2431 No. 4	Viscosity at 23°C (73.4°F)	s	42
DIN 53217/2	Density at 20°C (68°F)	g/ml	1.46
	Solid content	%	62
DIN 53213	Flash point (Abel-Pensky)	°C	38
		°F	100.4
	Temperature		
	Curing time/object temperature	minutes/°C	5/200
		minutes/°F	5/392
	Corrosion protection		
DIN 50021	Salt spray test results on coated bolts, no red rust formation, sandblasted + two layers coating	hours	>720
	Lubrication		
DIN 946	Total coefficient of friction:		
	- one tightening ¹	μ	0.107
	- three tightenings ¹	μ	0.116

1. M 10 cylinder bolt with internal drive socket according to DIN 912.

* ISO: International Standardisation Organisation

DIN: Deutsche Industrie Norm

HOW TO USE

Surface preparation

It is recommended to shot-blast the metal surface before applying MOLYKOTE D-7100 Lubotec Silver.

How to apply

Stir the product thoroughly before applying. Typical application methods are: dip spin and spraying. Recommended total dry film thickness: 15-20μm. With dip spin process two layers are typically applied.

Curing conditions

The product needs to be exposed to 200°C (392°F) for at least 5 minutes to ensure complete cure and optimal properties.

Solubility

Thinning can be carried out using white spirit with a boiling point of approx. 200°C (392°F) and a flash point of approx. 70°C (158°F). Any other white spirit is not recommended.

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 between 2°C (35.6°F) and 30°C (86°F) in the original unopened containers, this product has a usable life of 6 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.