

MOLYKOTE® D 708

Anti-friction coating

Heat-curing dry lubricant

FEATURES

- Outstanding corrosion protection
- Good aesthetics

COMPOSITION

- Solid lubricants
- Organic binder
- Solvent

APPLICATIONS

- For plastic/metal and metal/metal combinations for low to medium loads.
- Used on parts for door and locking mechanisms, safety belts, springs, hinges, pins, washers.
- Suitable for office machines and precision mechanics.

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		Black
	Physical properties		
DIN 53211/4	Viscosity at 20°C (DIN4 cup)	s	12
DIN 53217/2	Density at 20°C	g/ml	0.95
CTM 0242 I	Nonvolatile content	%	28
	Storage life	months	6
	Temperature		
	Drying time at 20°C	min	10
	Curing time	min/°C	20/200
	Service temperature range	°C	-180 to +240
	Corrosion protection		
DIN 50 021	Salt spray test	h	120
	Load-carrying capacity, wear protection, service life		
ASTM-D2625	Falex load-carrying capacity ¹	N	s=2250
ASTM-D2714	LFW-1, rotating F=680N, n=72 rpm, v=7.9 m/min, no. of revolutions to $\mu=0.1$		On request
	LFW-1, oscillating, F=180N, frequency=89.5 osc./min, no. of oscillations to $\mu=0.08$		On request
	Fretting corrosion - Deyber tester		1x10 ⁶

1. Surface pretreatment: s = sand blasted.

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

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 D 708 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 or brushing. Recommended dry film thickness: 5 to 20µm.

Curing

20 minutes at 200°C (object temperature).

Solubility

Thinning can be carried out using MOLYKOTE® L 13 Thinner.

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 material safety data sheet is available on the Dow Corning website at www.dowcorning.com. You can also obtain a copy from your local Dow Corning sales representative or Distributor or by calling your local Dow Corning Global Connection.

USABLE LIFE AND STORAGE

When stored at or below 20°C 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 Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our website, www.dowcorning.com or consult your local Dow Corning representative.

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