

# Molykote<sup>®</sup> D-9630 Anti-Friction Coating

## FEATURES

- Excellent "anti-squeak" performance
- Low coefficient of friction
- Constant coefficient of friction at different temperatures
- Water-based
- White coating

## COMPOSITION

- Solid lubricants
- Organic binder
- Water
- Stabilizer

Air-curing dry lubricant

## APPLICATIONS

- Reduces or eliminates noise of plastic parts e.g. in automotive applications such as door panels, arm rests, dashboards, glove boxes, etc., as well as leather equipment.
- Suitable for material combinations plastic/plastic, plastic/metal, plastic/leather, leather/leather with slow movements or vibrations at low loads.

## TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

Standard*	Test	Unit	Result	
	Color		White	
	<b>Physical properties</b>			
	Viscosity at 25°C (IWATA Cup)	Seconds	33	
JIS K 5400	Density at 20°C (68°F)	g/ml	1.4	
JIS K 5407	Non-volatile content	%	47	
	Storage life	Months	12	
	Recommended thickness	µm	5-20	
	<b>Temperature</b>			
	Drying time at 25°C	minutes	5-10	
	Curing time			
		25 °C (77 °F)	minutes	120
		60 °C (140 °F)	minutes	20
	Service temperature range after curing	°C	-40 to +120	
		°F	-4 to +248	
	<b>Coefficient of friction</b>			
	Static coefficient of friction	µ	0.15	
	Dynamic coefficient of friction	µ	0.10	

\* JIS: Japanese Industrial Standard

## HOW TO USE

### Surface preparation

First clean and degrease the surface which will be coated with Molykote<sup>®</sup> D-9630 Anti-Friction Coating.

### How to apply

Stir the Anti-Friction Coating thoroughly before applying by spraying or brushing. Recommended dry film thickness: 5 to 20µm.

### Curing

120 minutes at 25°C.

### Solubility

Thinning can be carried out using distilled water or tap water

## ANTI-SQUEAK MECHANISM

### Definition stick-slip

Intermittent movement that occurs when unevenness in the road surface transmits vibrations through the vehicle. An interior plastic part would move and stop causing a juddering motion. This is known as the stick-slip effect which causes the offensive squeak.

*Molykote* D-9630 Anti-Friction Coating eliminates stick-slip very effectively. It reduces the difference between static and sliding friction and lowers the friction dramatically.

## HANDLING PRECAUTIONS

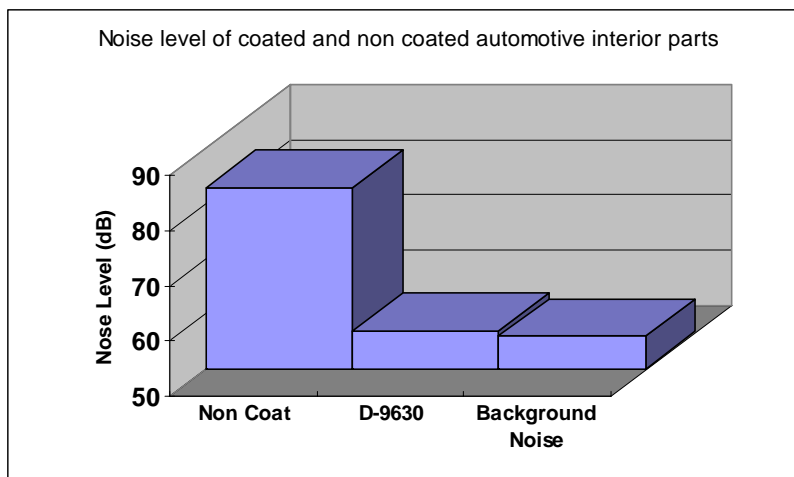
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## USABLE LIFE AND STORAGE

When stored between 2°C (36°F) and 30°C (86°F) in the original unopened containers, this product has a usable life of 12 months from the date of production.

## 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

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](http://www.dowcorning.com) or consult your local Dow Corning representative.

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