

■ moglice moglice smart 2:1 cartridge system #2522

Product description

moglice SMART is a medium-viscosity 2-component bonded coating. It is used for the production of high-precision sliding surfaces. By moulding, even complex shapes and structures can be created with a precision in the μm range.

moglice SMART can be removed by applying a micro-thin layer of diamond release agent to the mating surface. The result is an exact copy of the workpiece surface. Mechanical reworking of the surface is not necessary. In modern production technology, process times and costs can be reduced many times over.

moglice SMART is supplied in a ready-to-use 2-component cartridge system, which enables safe and contact-free working. The 2-chamber technology with the static mixing spiral eliminates the need for manual mixing and venting of components, effectively reducing working times.

Typical applications

Slideway linings and guides in mechanical engineering
Slideways for punching slides with permanent lubrication
Sliding surfaces for air bearings on glass grinding machines
Slideways for transport systems for electronic elements such as waivers, displays or photovoltaics
Guideways for positioning at high speeds
Sliding surfaces in pressure cylinders
Sliding surfaces in lubrication-free actuators and coupling elements
Repairs and maintenance of sliding surfaces

Product features

μm -precise moulding
Very high compressive strength up to 110 N/mm^2
Extremely dimensionally stable after curing
Anti-sick-slip behaviour
Good emergency running properties
Excellent load transfer due to full contact surface contact
Temperature resistant up to $+60 \text{ }^\circ\text{C}$
High resistance to oils, cooling emulsions, mineral and synthetic coolants and lubricants
Mouldable sliding layer for injection in the practical double cartridge
No mixing errors, no contact with the product

Chemical resistance

For questions about chemical resistance, please contact our technicians



Pack sizes

Article

V06 250g

Description

Custom sizes on request.

Produktdaten Anlieferzustand

Hue Komponente A (Harz)

Grey

Grain

no Pigment / Particles contained, 100% solution

Mixing ratio Harz / Härter [Volumen]

Werteintragung

Pot life

50 Minutes at 20°C

Curing Oberflächentrocknung

24 hours at 20°C Curing time to demoulding: 18 hours at 20°C

Processing temperature

Werteintragung

Usage

Werteintragung

Product data (reactive product)

Density

1.64 kg/dm³

Compressive strength

105 N/mm²

DIN EN 12190:1998

Strength

86

Temperature resistance (permanent)	60
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Temperature resistance (briefly)	125 °C
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custody / durability

Store dry and frost-free in the unopened container. Durability 18 months. Avoid direct sunlight. Higher temperatures reduce the durability.

Preparation

The guide surface to be coated is roughened to improve adhesion. The roughness depth should be 0.5mm (Rt-500µm). Roughening can be done with a knife head with large feed on a milling machine.

Qualification and Service

To ensure the best possible quality and error-free application, we offer the following services:

- Advice by phone and/or on site at the construction site
- Site supervision and supervision of work by our experienced application technicians

Entsorgung

Any material which is not used, mixed correctly and completely cured can be disposed normally (EAKV 170203). Not mixed material has to be disposed as chemical waste (EAKV 080111). If booked the DIAMANT-service team will dispose the waste.

Safety data sheet

Please read the relevant safety data sheet before processing the product. Safety data sheets are available daily on request via info@diamant-polymer.de or by phone at +49-2166-98 360. DIAMANT guarantees the product characteristics as long as they are stored and used according to the specifications listed here. DIAMANT assumes no responsibility for the processing of the material. For further questions, our technicians will help you.

Werteintragung

disclaimer

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This issue replaces all previous versions