

moglice P500

Product number #0296

Product description

mogl

ice P500 is a middle-viscous 2 component low friction wayliner. It is used for the manufacturing of guideways and hydrostatic guideways. The exact impression technique enables complex shapes and structures without mechanic editing with a precision in the μm -area. In the modern production technique this results in significantly reduced processing times and costs. The material can either stick to the to be moulded surface or can be stripped off using a micro thin layer of Diamant-release agent. The result is a exact copy of the tool surface .

Characteristics

- μm -exact moulding
- High dimensional stability
- Hohe resistance against cooling emulsions, mineral and synthetical lubricants and cutting materials
- Anti-Sick-Slip behaviour
- Emergency running characteristics
- Outstanding power transmission due to full support of the contact surfaces

Chemical resistance

If any questions regarding the chemical resistance occur please contact our technicians.

Package sizes

0.1 kg
0.25 kg
0.5 kg
1.0 kg

mogl

ice P500 is delivered in ready to use package sizes. The product consists of 2 components. Both components have to be mixed with each other completely. We do not recommend using smaller quantities because it might lead to mxing errors.

Technical data

Technical data	Test procedure	Value
E-Modul [N/mm ²]	DIN EN 13412:2006	9500
Compressive strength [N/mm ²]	DIN EN 12190:1998	110
Viscosity [mPas]	DIN EN ISO 3219:1994	75000
Density [g/cm ³]		1,6
Pot life (+20°C) [min]	DIN EN ISO 9514	50
Curing time (+20°C) [h]	-	24
Curing time until moulding(+20°C) [h]	-	18
Shore-D Hardness	DIN ES ISO 868	87
Shrinkage [%]	DIN EN 12617-4/2002	< 0,1
Thermal resistance [°C] permanent temporary	-	-20°C to 60°C -40°C to 125°C
Mixing ratio (A:B) [gr]	-	88:12

Storage/durability:

Store dry, cool and frost-free in the original, unopened container (5 °C - +20 °C). Durability 18 months. Avoid direct sunlight. Higher temperatures reduce the shelf life.

Important notes

Please consider the information given in the safety data sheet.

Technical data sheet

Work preparation

To be coated guide surface is provided to improve the adhesion with a roughening. The roughness should be 0.5 mm (Rt - 500µm). The roughening can be made on a milling machine with a knife-head with a large feed.

Mixing process

For mixing moglice P500, component B is completely added to the container of component A. Mix thoroughly with a drilling machine and the DIAMANT mixing propeller (Prod.No. #0789) (max. 250 rpm for approx. 2 minutes). Strip material adhering to the wall of the container with a spatula and add to the mixture. Mix again thoroughly.

Venting

moglice P500 is to be filled into a clean container in a long, thin, uninterrupted stream.

Application description

moglice P500 has to be injected into the sealed cavity from the deepest point through an inlet port by using a hand cartridge. To avoid enclosing any air make sure to start injecting moglice P500 from the deepest point of the cavity.

Disposal

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.

Qualification and service:

It is recommended that the application is performed by schooled DIAMANT technicians.

To guarantee the best possible quality and a correct application, we offer the following services:

- Consultation on the phone or/and in person on your construction site
- Construction site supervision and supervision of the work on site.
- Complete application performed by our experienced application technicians.

Further information can be found in the service data sheet.

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The listed technical data were determined under laboratory conditions and verified by quality assurance processes at the day of production. Changes are reserved and can be implemented without previous information. The customer is responsible for the verification of data topicality and should be requested before the material ordering at DIAMANT. Application, use and processing of the products happen outside of our control options and therefore lie entirely in the area of responsibility of the customer. Should nevertheless a liability come into question so is this liability limited to the value of the items delivered and used by you. We guarantee the perfect quality of our products according our general sale and delivery conditions. All technical data can differ depending on burden and operating conditions. Specific application data will be provided upon request in every individual case.