

DWH 745 FL

Product number #0745

Product description

This cold-curing special coating has been developed from the world-renowned „DIAMANT“ fine-adjustment and sliding-lining systems, especially for use in highly loaded sliding elements such as slide, support, column, tappet and slide guides, wedge and fitting strips subject to high continuous loads.

Typical applications

- dimensionally accurate molding = no machining required
- excellent chemical resistance
- Coefficient of friction approx. $<0,05\mu\text{m}$ (near Teflon®)
- Wear resistance approx. $<0,003\text{mm} / 100\text{km}$ (similar to hardened steel)
- no stick-slip behavior
- Excellent damping properties improved stiffness for decades in a successful application at well-known machine factories
- Suitable for production, overhaul, repair
- Complete work packages for easy processing
- no special tools or prior knowledge required

Characteristics

- high accuracy
- high load bearing capacity up to $170\text{ N} / \text{mm}^2$ (static)
- excellent damping properties
- Complete contact of contact surfaces and thereby good load transfer
- Good adhesion with almost no aging or weathering

Chemical resistance

Please contact our technicians for questions about chemical resistance

Package sizes

0.5 kg / 1.0 kg / 5.0 kg

DWH 745 FL is delivered in ready-to-use pack sizes. The product consists of two components. Both components must be completely mixed with each other. In order to avoid mixing errors, a portioning of the components into smaller quantities is expressly discouraged.

Technical data

Technical data	Value
Viscosity	12.000 - 15.000
Processing temperatures	10°C - 30°C
Pot life at 20°C	45 minutes
Curing time at 20°C	24 hours
moldable at 20°C	12 hours
Specific weight [g/cm ³]	1,6
Compressive strength dynamic [N/mm ²]	13 N/mm ²
Compressive strength static [N/mm ²]	130 N/mm ²
Thermal stability	permanent temporary
	-40 up to +80 +130
Chemically resistant to	all chemicals except ketones, esters, aromatics, chlorinated hydrocarbons

Storage / shelf life

Store in the original unopened container, dry, cool and frost-free (5 ° C - + 20 ° C). life 2 years. Protect from direct sunlight. Higher temperatures reduce the shelf life.

Important instructions

Please refer to the safety data sheet.

Preparation of the surface

To improve the adhesion, the to be coated guide-surface is provided 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

Add the hardener completely to the resin. Manually mix well with the spatula or with the machine (100 rpm for 2 minutes). Remove the material from the wall and the floor with a spatula and add to the already mixed material.

Anwendungsbeschreibung

DWH 745 can be:

- poured in a prepared and sealed cavity
- applied and molded on the prepared surface in its pasty form
- injected in a prepared cavity by using a hand-held cartridge

Venting

Putty:

To avoid air bubbles, the material must be applied thinly on the complete surface.

Liquid:

Pour the mixture into the cartridge or a limited gap in a long, thin, uninterrupted jet.

Disposal

Unused residual material from the cans can be disposed of normally (EAKV 170203) when mixed in the correct mixture ratio and completely cured. Unmixed material must be disposed of as chemical waste (EAKV 080111). When the diamond service team is booked, we dispose of the waste.

Qualification and Service

It is recommended that the application be carried out by trained DIAMANT technicians.

In order to guarantee optimum quality and faultfree application, we offer the following services:

- Product Training
- Construction site supervising and on-site work monitoring
- Complete execution of works by our experienced application technicians

Further information can be found in the service data sheet

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F047/2017

Date: 07/12/2017



PT. PANCARAN KARYA ANUGRAH

Gedung Office 8, Unit 18-A, SCBD
Jl. Jendral Sudirman Kav. 52-53
Jakarta 12190 - Indonesia

Ph. +62-21 3049 0162
Fx. +62-21 3049 0163

Email info@diamant-polymer.id

The technical data cited here has been obtained under laboratory conditions and verified on the day of product manufacture through quality assurance processes. This information is subject to change, even without prior notice. The customer is responsible for verifying the current status of the data and should inquire with DIAMANT in this regard prior to ordering the material. Application, use and processing of the product takes place outside of our control and therefore exclusively under the responsibility of the purchaser. However, if a question of liability should arise, it shall be limited - in relation to all damages - to the value of the goods supplied by us and used by you. We guarantee the faultless quality of our products according to the provisions of our general terms and conditions of sales and deliveries. All technical specifications vary depending on loads and application conditions. We are able to issue substantiated application data in individual cases on request.