**Technical data sheet**

**DWH 314 P**  
Product number #0409

**Product description**  
DWH 314 P is a low-viscosity two component adjustment coating designed for the coating of parting lines, mounting surfaces, infusion of bushes and undergrouting of guide rails. Due to the exact moulding technique expensive processing becomes unnecessary.

**Characteristics**  
- Very high accuracy  
- Very high compressive strength  
- High resistance to cooling emulsions, mineral and synthetic lubrication and cutting materials

**Chemical resistance**  
Please contact our technicians for questions about chemical resistance.

**Package size**  
0.5 kg  
1.0 kg  
5.0 kg

DWH 314 P is supplied 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**

<table>
<thead>
<tr>
<th>Technical data</th>
<th>Test procedure</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-Modul [N/mm²]</td>
<td>DIN EN 13412:2006</td>
<td>8300</td>
</tr>
<tr>
<td>Compressive strength [N/mm²]</td>
<td>DIN EN 12190:1998</td>
<td>156</td>
</tr>
<tr>
<td>Viscosity [mPas]</td>
<td>DIN EN ISO 3219:1994</td>
<td>pasty</td>
</tr>
<tr>
<td>Density [g/cm³]</td>
<td>-</td>
<td>1.7</td>
</tr>
<tr>
<td>Pot life (+20°C) [min]</td>
<td>DIN EN ISO 9514</td>
<td>50</td>
</tr>
<tr>
<td>Curing time (+20°C) [h]</td>
<td>-</td>
<td>24</td>
</tr>
<tr>
<td>Curing time until moulding (+20°C) [h]</td>
<td>DIN EN ISO 9514</td>
<td>18</td>
</tr>
<tr>
<td>Shore-D Hardness</td>
<td>DIN ES ISO 868</td>
<td>83</td>
</tr>
<tr>
<td>Shrinkage [%]</td>
<td>DIN EN 12617-4/2002</td>
<td>&lt;0.1</td>
</tr>
<tr>
<td>Thermal Resistance [°C]</td>
<td></td>
<td>-20°C to 80°C</td>
</tr>
<tr>
<td></td>
<td>permanent</td>
<td>-40°C to 125°C</td>
</tr>
<tr>
<td>Mixing ratio (A:B) [gr]</td>
<td>-</td>
<td>92:8</td>
</tr>
</tbody>
</table>

**Storage / Shelf life**  
Store in the original unopened container, dry, cool and frost-free (5 ° C - + 20 ° C). Shelf 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 liability area
The 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 large-diameter knife head. Dirt, debris, grease and other substances should be completely removed from the bond area. For this we recommend the use of DIAMANT cleaner (# 1417).

Mixing
To mix DWH 314 P component B has to be put into the container of component A completely. Mix intensely with a drilling machine and the DIAMANT mixing propeller(Prod.-Nb. #0789)(max. 250 U/min for ca. 2 Minutes). Any material which is left sticking to the sides of the container can be put into the mixture with the use of a spatula. Mix again thoroughly.

Application description
Apply a thin adhesion layer onto the adhesion surface with a spatula. Apply the rest of the material in a roof shape without enclosing air.

Venting
DWH 314 P has to be removed out of the container immediately after mixing and applied to a clean metal sheet. By spreading the material across the sheet any air bubbles will be destroyed. In addition to that this also helps to extend the processing time because through spreading a part of the reaction heat dissipates.

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.

DWH 314 P #0409

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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.