Zentrifix KMH
Mineral corrosion protection coat and bond coat

Product Properties

- Cement-bound
- One-component
- Short overcoating times
- Tested and independently monitored according to ZTV-ING, TL/TP BE PCC and DAFStb-repair guideline for exposure classes M2/M3
- Certified according to EN 1504 part 3

Areas of Application

- Active corrosion protection for reinforced steel in the course of concrete repair
- Bond coat for interior and exterior areas
- Approved for PCC I and PCC II according to ZTV-ING
- According to DAFStb-repair guideline approved for exposition classes M2/M3
- Certified and classified according to EN 1504 part 7 for principle 11, procedure 11.1

Application

Substrate Preparation

Reinforced Steel
The reinforced steel must be prepared to standard SA 2 1/2 according to DIN EN ISO 12944-4. There must be no rust film or other separating or corrosion-conducive materials. Quartz-free grit blasting is a suitable cleaning method.

Substrate Preparation
See leaflet “General Application Advice Coarse Mortars / Concrete Replacement Systems”.

Mixing
Zentrifix KMH is added to the prepared water under constant stirring and mixed until a homogenous and lump-free mortar with an easy-to-spread consistency is achieved. Mixing takes at least 5 minutes. Use slowly rotating mixers.

Mixing Ratio
Please refer to the “Technical Data” table. For a 5 kg bag of Zentrifix KMH approx. 0.9 to 0.95 litres of water are required, while a 20 kg bag takes approx. 3.6 to 3.8 litres. As with other cement-bound products the quantity of added water may vary.

Application

As Corrosion Protection
Zentrifix KMH is applied onto the prepared reinforced steel in two work steps, using suitable painting tools (brushes, paint-brushes). Tying wires, edges and the juncture between reinforcement and concrete must be treated thoroughly to achieve the necessary layer thickness.

As Bond Coat
Before application of Zentrifix KMH the substrate must be pre-wetted. Highly absorbent substrates must be pre-wetted repeatedly. Zentrifix KMH must then be brushed thoroughly into the slightly damp, non-saturated, substrate. If applied onto horizontal areas ponding is not permitted and must be avoided. Do not pre-wet a larger area than can be overworked fresh-in-fresh. Short-bristled brushes are suitable for application.

If used for horizontal/floor application Zentrifix KMH may also be applied by spraying, using a worm pump with a discharge flow of < 1 litre per minute. If the bond coat is applied in such a way it must be worked in subsequently, using brushes.
### Technical Data for Zentrifix KMH

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Unit</th>
<th>Value**</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fresh mortar density</td>
<td>kg/dm³</td>
<td>2.10</td>
<td>-</td>
</tr>
<tr>
<td>Coverage (dry mortar)</td>
<td>kg/dm³</td>
<td>1.70</td>
<td>-</td>
</tr>
<tr>
<td>Application time</td>
<td>minutes</td>
<td>75</td>
<td>at + 5 °C</td>
</tr>
<tr>
<td></td>
<td></td>
<td>60</td>
<td>at + 20 °C</td>
</tr>
<tr>
<td></td>
<td></td>
<td>45</td>
<td>at + 30 °C</td>
</tr>
<tr>
<td>Overcoating times</td>
<td>hours</td>
<td>approx. 3</td>
<td>between 1st and 2nd coat corrosion protection coat</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>between 2nd corrosion protection coat and application of bond coat</td>
</tr>
<tr>
<td>Total coverage*</td>
<td>g/m²</td>
<td>120</td>
<td>as corrosion protection (steel ø 8 mm)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1,000 -1,100</td>
<td>as bond coat</td>
</tr>
<tr>
<td>Application conditions</td>
<td>°C</td>
<td>≥ 5 - ≤ 30</td>
<td>air, material and substrate temperature</td>
</tr>
<tr>
<td>Mixing ratio</td>
<td>p. b. w.</td>
<td>100 : 18 - 19</td>
<td>Zentrifix KMH : water</td>
</tr>
</tbody>
</table>

### Product Characteristics for Zentrifix KMH

- **Colour**: cement-grey
- **Delivery**: 2 x 5 kg bags, 20 kg bags
- **Storage**: Can be stored in cool (below 20 °C) and dry conditions for at least one year in original unopened packs.
- **Disposal**: Packs must be emptied completely.

* The coverage rates depend on the roughness and temperature of the substrate, as well as on the storage- and working-temperatures. We recommend to lay sample areas to determine the object-specific coverage.

** All values have been determined at + 23 °C and 50 % relative humidity

### Safety Advice

Please take notice of the safety information and advice given on the packaging labels and safety information sheets.

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**Note:** The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Edition 08/16. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.