

## ZNR™ INJECTION EP

### Epoxy-Based Injection Resin

<b>Product Description</b>	Two-component, solvent-free epoxy-based grout resin without filling. Perfectly penetrates into, fills capillary voids and adheres fractures and cracks that has occurred on construction elements such as damaged concretes, columns, beams, etc. where it is injected due to its low viscosity and perfect diffusion capability.																
<b>Product Number</b>	310																
<b>Areas of Application</b>	<ul style="list-style-type: none"> <li>As binder for leveling mortars and mortar alums,</li> <li>For cracks and additional spaces on concretes or reinforced concrete construction units.</li> <li>Columns, beams, coverings and foundations of bridges, industrial structures and water structures and walls.</li> </ul>																
<b>Brightness and Color</b>	Transparent																
<b>Technical Data</b>	<table border="1"> <tr> <td>Mixing Ratio</td><td>2 : 1 (by weight)</td></tr> <tr> <td>Processing Time</td><td>35 minutes at +23 °C and 40% humidity 20 minutes at +30 °C and 27% humidity</td></tr> <tr> <td>Density</td><td>~1.05 gr/cm<sup>3</sup></td></tr> <tr> <td>Viscosity</td><td>55 – 70 KU (400 – 500 mPa.s) (23°C)</td></tr> <tr> <td>Full Curing Time</td><td>After 7 days (at 23 °C)</td></tr> <tr> <td>Compressive Strength</td><td>&gt; 65 N/mm<sup>2</sup> (7th day)</td></tr> <tr> <td>Flexural Strength</td><td>&gt; 25 N/mm<sup>2</sup> (7th day)</td></tr> <tr> <td>Adhesion Strength (Concrete)</td><td>&gt; 2 N/mm<sup>2</sup></td></tr> </table>	Mixing Ratio	2 : 1 (by weight)	Processing Time	35 minutes at +23 °C and 40% humidity 20 minutes at +30 °C and 27% humidity	Density	~1.05 gr/cm <sup>3</sup>	Viscosity	55 – 70 KU (400 – 500 mPa.s) (23°C)	Full Curing Time	After 7 days (at 23 °C)	Compressive Strength	> 65 N/mm <sup>2</sup> (7th day)	Flexural Strength	> 25 N/mm <sup>2</sup> (7th day)	Adhesion Strength (Concrete)	> 2 N/mm <sup>2</sup>
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<b>Application Conditions and Limitations</b>	<p>Following conditions must be satisfied: For cement-based surfaces;</p> <ul style="list-style-type: none"> <li>Concrete quality : min. B25</li> <li>Surface age : min. 28 days</li> <li>Adhesion strength : &gt; 2 N/mm<sup>2</sup></li> <li>Residual humidity : &lt; 4%</li> </ul>																
<b>Mixing Tools / Mixture</b>	<b>ZNR INJECTION EP</b> should be thoroughly mixed using a low speed (300 - 400 cycles/min) electric mixer or other suitable equipment. After pouring Component B into Component A completely, mix for 5 minutes continuously until a homogenous mixture is obtained. Transfer the obtained mixture to another container and then proceed.																
<b>Package</b>	(A : 6.50 kg B : 3.50 kg) 10 kg sets																
<b>Shelf Life</b>	Shelf life is 1 year from the date of manufacture if stored properly at a temperature between +5°C and +35°C and away from direct sunlight.																
<b>General Matters</b>	Abovementioned product data and descriptions are prepared for guiding purposes as a result of our experiences and diligent studies. We, individually, can not control or affect the variety of the related materials and various construction and working conditions. Warranty is limited to only quality of the purchased material for the applications that are not under our control. No warranty is committed for application, but only for product manufacturing. This technical flyer overrides former flyers. Quality of the work may vary depending on how professionally the product is used. In case of hesitation, please perform a small test or ask for technical help.																
<b>Disposal</b>	Empty packings can be disposed to collection bins according to regional/local regulations or recycling rules. Dispose used waste materials as construction waste materials after drying and hardening. It is dangerous to dispose by burning the product remnants.																
<b>Safety Information</b>	Keep the products out of reach of children. Keep the lids of the products closed. It is recommended to use gloves and goggles during application. In case of contact with skin, wash immediately with soap. In case of contact with eyes, immediately consult a doctor. For more information, please refer to the material safety data sheet.																