

## ZNR™ WP 2K

### Flexible Water Proofing Mortar

<b>Product Description</b>	<b>ZNR™ WP 2K</b> is a cement and acrylic-based, two-component, easy-to-use, semi-flexible waterproofing mortar. It provides effective water impermeability and forms a durable, water-resistant coating over concrete and cementitious substrates. Suitable for indoor and outdoor applications, it offers flexibility and strong adhesion to surfaces subject to moisture and thermal movement.																								
<b>Product Number</b>	101																								
<b>Public Works Item Number</b>	04.477/2 (Grey)																								
<b>Areas of Application</b>	<ul style="list-style-type: none"> <li>• Basement walls and foundations</li> <li>• Wet areas such as bathrooms, kitchens, and balconies</li> <li>• Retaining walls, tunnels, and water tanks</li> <li>• Swimming pools and terraces</li> <li>• Under-tile waterproofing</li> </ul>																								
<b>Features &amp; Advantages</b>	<ul style="list-style-type: none"> <li>• Economic and low labor costs</li> <li>• Suitable for indoor and outdoor applications</li> <li>• Easy to prepare and use (can be applied by brush, trowel, or spray)</li> <li>• Long operation life</li> <li>• Can be safely applied on horizontal or vertical surfaces</li> <li>• Water-based and solvent-free</li> <li>• Non-toxic; suitable for potable water reservoirs</li> <li>• Resistant to water and frost after curing</li> <li>• Impact and vibration resistant</li> <li>• Very high adhesion strength and flexibility</li> </ul>																								
<b>TSE Standard</b>	TS EN 1504-2																								
<b>Technical Data</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Package</td><td>25 kg sets (A: liquid 5 kg; B: powder 20 kg)</td></tr> <tr> <td>Color</td><td>Grey</td></tr> <tr> <td>Density</td><td>~1.9 kg/m³ (mixed fresh mortar of A: liquid and B: powder)</td></tr> <tr> <td>Surface Temperature</td><td>+5°C / +35°C</td></tr> <tr> <td>Pot Life</td><td>~ 1 hour (23 °C)</td></tr> <tr> <td>Water Vapor Permeability</td><td>Class I</td></tr> <tr> <td>Bond strength</td><td>≥ 0.8 (N / mm²)</td></tr> <tr> <td>Capillary Water Absorption</td><td>≤ 0.1 (kg/m² h½)</td></tr> <tr> <td>Reaction to Fire Class</td><td>B S1 d0</td></tr> <tr> <td>Time for Coating Application on the Product</td><td>~ 3 days</td></tr> <tr> <td>Consumption</td><td>~1.9 kg/m² material for 1mm of thickness (variable, depending on surface conditions)</td></tr> <tr> <td>Storage</td><td>Shelf life is 12 months. Products should be stacked in a cool and dry place.</td></tr> </table>	Package	25 kg sets (A: liquid 5 kg; B: powder 20 kg)	Color	Grey	Density	~1.9 kg/m³ (mixed fresh mortar of A: liquid and B: powder)	Surface Temperature	+5°C / +35°C	Pot Life	~ 1 hour (23 °C)	Water Vapor Permeability	Class I	Bond strength	≥ 0.8 (N / mm²)	Capillary Water Absorption	≤ 0.1 (kg/m² h½)	Reaction to Fire Class	B S1 d0	Time for Coating Application on the Product	~ 3 days	Consumption	~1.9 kg/m² material for 1mm of thickness (variable, depending on surface conditions)	Storage	Shelf life is 12 months. Products should be stacked in a cool and dry place.
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<b>Surface Preparation</b>	Remove loose parts, grease, and other chemicals from the application area. Repair any surface defects using <b>ZNR REPAIR</b> mortar. If the surface temperature exceeds 25°C, moisten and saturate the surface prior to application. Surfaces must be sound and free of dust, oil, paint, curing agents, and loose particles. Smooth surfaces should be roughened, and the substrate should be brought to a saturated surface dry (SSD) condition with no standing water.																								
<b>Preparation Instructions</b>	Pour the liquid component ( <b>ZNR WP 2K-A</b> ) into a clean application container. Add the entire powder component ( <b>ZNR WP 2K-B</b> ) into the same container and mix for 3-4 minutes using a suitable low-speed mixer until a smooth, homogenous mixture is obtained. Let the mixture																								

rest for approximately 3–5 minutes and re-mix briefly before use. Depending on ambient temperature, up to 10% clean water may be added to adjust workability.

**Application Method**  
 It is recommended to add up to 5% water into the mixture, depending on the ambient temperature. Apply the first coat using a brush, then proceed with the second coat. Do not exceed 2 mm in thickness per coat. Wait for 2–6 hours between coats, depending on ambient drying conditions.

For applications requiring plaster mesh, embed the mesh into the first coat while it is in a wet-to-dry state. Then apply the second coat using a brush or trowel.

In areas exposed to high water pressure, apply a third coat if necessary. Protect the application from direct sun, wind, rain, and frost during the curing period. Allow at least 7 days of curing before permanent exposure to water.

**Application Conditions & Precautions**

- Surface temperature should be minimum +5°C.
- Protect the applications from rain, frost, wind, sunlight and high temperatures for the first 24 hours.
- Do not apply on frozen or overly hot surfaces.
- Avoid application if rain or frost is expected within 24 hours.
- Use only complete sets as supplied.
- Do not add water into the mortar that has already hardened.
- Protect the freshly applied surface from direct exposure until cured.

**General Notes**  
 This product information is based on our experience and is intended for guidance. We cannot control application conditions or workmanship. Therefore, our liability is limited to the quality of the product itself. This technical data sheet replaces all previous versions. For uncertain applications, perform a preliminary test or consult technical support.

**Disposal**  
 Dispose of empty packaging and hardened material in accordance with local regulations. **Do not burn** or discharge waste into the environment.

**Safety Information**  
 Keep out of reach of children. Use appropriate gloves, goggles, and protective clothing during use. In case of skin contact, wash thoroughly with soap and water. In case of eye contact, rinse immediately and consult a physician. Refer to the product's Safety Data Sheet (SDS) for more details.