

## ZNR™ SİVA

### Perlitic Rough Plaster White

Product Description	White cement and perlite based, high performance, interior and exterior surface rough plaster, which consists of environmentally friendly additives and aggregates that have special granulometry, can be applied by hand or plaster machine, and have excellent water vapor permeability.																									
Product Number	509																									
Areas of Application	<ul style="list-style-type: none"><li>• Walls or ceilings, especially on gas concrete surfaces,</li><li>• As sub-plaster for tile and marble adhesives,</li><li>• Weight bearing elements such as columns, beams and reinforced curtains,</li><li>• As sub-plaster for all finish plasters and decorative plasters,</li><li>•</li></ul>																									
Characteristics /Advantages	<ul style="list-style-type: none"><li>• Significantly prevents bleeding and molding. Protects the value of the applied structure.</li><li>• Can be applied by machine or by hand. Suitable for horizontal, vertical and ceiling applications.</li><li>• Enables the surface breathe easily thanks to its high water vapor permeability.</li><li>• Features perfect adherence.</li><li>• Can be used as sub-plaster for all finish plasters and decorative plasters,</li><li>• Can be used as sub- or finishing plaster for mineral and organic based plasters.</li><li>• Can be used as sub-plaster for tile (marble) adhesives used as thin layers,</li></ul>																									
Technical Data	<table><tr><td>Powder Color</td><td>White</td></tr><tr><td>Package</td><td>35 kg kraft bags</td></tr><tr><td>Density (Fresh Mortar)</td><td>~ 1.8 kg/m³ (23 °C)</td></tr><tr><td>Working Temperature</td><td>+5°C / +35°C</td></tr><tr><td>Pot life</td><td>Approximately 40 minutes</td></tr><tr><td>Water Absorption</td><td>W1-c ≤ 0.40 kg/m². Min. ½(28 days)</td></tr><tr><td>Compressive Strength</td><td>≥6 N/mm² (28 days) ~13 N/mm² (28 days)</td></tr><tr><td>Flexural Strength</td><td>≥2 N/mm² (28 days) ~4 N/mm² (28 days)</td></tr><tr><td>Adhesion Strength</td><td>≥0.5 N/mm² (28 days)</td></tr><tr><td>Reaction to Fire</td><td>A1</td></tr><tr><td>Consumption</td><td>Varying depending on surface conditions, approximately 1.8 kg/m² powder material is used for 1mm of thickness</td></tr><tr><td>Storage</td><td>Shelf life is approximately 12 months. Products should be stacked in a cool and dry place, with maximum 10 bags on each other.</td></tr></table>		Powder Color	White	Package	35 kg kraft bags	Density (Fresh Mortar)	~ 1.8 kg/m³ (23 °C)	Working Temperature	+5°C / +35°C	Pot life	Approximately 40 minutes	Water Absorption	W1-c ≤ 0.40 kg/m². Min. ½(28 days)	Compressive Strength	≥6 N/mm² (28 days) ~13 N/mm² (28 days)	Flexural Strength	≥2 N/mm² (28 days) ~4 N/mm² (28 days)	Adhesion Strength	≥0.5 N/mm² (28 days)	Reaction to Fire	A1	Consumption	Varying depending on surface conditions, approximately 1.8 kg/m² powder material is used for 1mm of thickness	Storage	Shelf life is approximately 12 months. Products should be stacked in a cool and dry place, with maximum 10 bags on each other.
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Surface Preparation	<p>Pay attention that curing time of the surface should be completed and the surface should be firm for cement-based surfaces.</p> <p>The application surface should be cleaned from loose parts, grease and other chemicals and should be crack-free, dry and clean. Make the surface ready for plaster application by wetting the surface using a brush or sponge (dry wet). Use plaster profiles at centers. Use plaster mesh at connection points of columns and beams. Wet gas concrete and pumice brick walls before application more than other walls and it is recommended to use <b>ZNR Primer P250</b> under very hot conditions when surface absorption is higher.</p>																									
Preparation Instructions	<p>Pour the powder material (35 kg) into 5.50-6.50 kg (variable, depending on air temperature) clean and cool mixing water and mix with a proper low-speed mixer for 3-4 minutes to obtain a homogenous and smooth mixture and wait for 5-10 minutes.</p> <p>Make the maturing material ready for use by re-mixing. Do not add water into the powder material.</p>																									

<b>Application</b>	Apply the prepared material on the surface in single layer with 10-25 mm of thickness using a steel trowel or plaster machines. It is recommended to make the application at a temperature between +5 and +35 °C. For the surfaces requiring plasters with a thickness of 25 mm or above, apply <b>ZNR SİVA</b> in two layers. Before proceeding with the second layer, firstly wait for one day for drying of the first layer of <b>ZNR SİVA</b> . If necessary, proceed with the application of the second layer with 10-25 mm of thickness by using a plaster mesh after this waiting time.
<b>Considerations</b>	<ul style="list-style-type: none"><li>• Protect the ambient from wind and sunlight during application.</li><li>• Saturation of the water with water is crucial.</li></ul>
<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.