

Revision:4.4.2025

ZNR™ POLIPLAST

Thermal Insulation Board Plaster

Product Description	This is a high-strength, high-adhesion, polymer-modified, ready-to-use cement-based plaster mortar used for rendering over thermal insulation boards. Thanks to its high bonding capability, it adheres strongly even to challenging surfaces. Polymer additives provide flexibility, minimizing the risk of cracking. It is suitable for both interior and exterior applications. Its ready-to-use form saves time on-site and ensures a homogeneous mixture.																												
Product Number	501																												
Public Works Item Number	04.476																												
Areas of Application	<ul style="list-style-type: none">• Plaster application over thermal insulation boards such as EPS, XPS, and rock wool• Interior and exterior façades• As the first layer adhesive and reinforcement plaster in thermal insulation systems																												
Characteristics /Advantages	<ul style="list-style-type: none">• Not affected by water.• Resistant against external effects and frost.• Light elastic structure thanks to polymer content.• Suitable for horizontal, vertical, and ceiling applications.• Very good adherence capability.• Economic.																												
TSE Standard	TS 13687																												
Technical Data	<table><tr><td>Powder Color</td><td>Grey</td></tr><tr><td>Package</td><td>25 kg kraft bags</td></tr><tr><td>Density (Fresh Mortar)</td><td>~ 1.60 kg/m³ (23 °C)</td></tr><tr><td>Working Temperature</td><td>+5°C - +35°C</td></tr><tr><td>Pot Life</td><td>90 minutes</td></tr><tr><td>Flexural Strength</td><td>≥2.00 N/mm² (28 days)</td></tr><tr><td>Compressive Strength</td><td>≥6.00 N/mm² (28 days)</td></tr><tr><td>Water Absorption</td><td>≤ 0.5 kg/m² min^ (0.5) (28 days)</td></tr><tr><td>Adhesion Strength on Thermal Insulation Material</td><td>≥ 0.08 N/mm² (28 days) ~0.12 N/mm² (28 days)</td></tr><tr><td>Reaction to Fire Class</td><td>A1</td></tr><tr><td>Consumption</td><td>~1.60 kg/m² material is used for 1mm of thickness (variable, depending on surface conditions)</td></tr><tr><td>Application tools</td><td>Steel Trowel</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	Grey	Package	25 kg kraft bags	Density (Fresh Mortar)	~ 1.60 kg/m³ (23 °C)	Working Temperature	+5°C - +35°C	Pot Life	90 minutes	Flexural Strength	≥2.00 N/mm² (28 days)	Compressive Strength	≥6.00 N/mm² (28 days)	Water Absorption	≤ 0.5 kg/m² min^ (0.5) (28 days)	Adhesion Strength on Thermal Insulation Material	≥ 0.08 N/mm² (28 days) ~0.12 N/mm² (28 days)	Reaction to Fire Class	A1	Consumption	~1.60 kg/m² material is used for 1mm of thickness (variable, depending on surface conditions)	Application tools	Steel Trowel	Storage	Shelf life is approximately 12 months. Products should be stacked in a cool and dry place, with maximum 10 bags on each other.
Powder Color	Grey																												
Package	25 kg kraft bags																												
Density (Fresh Mortar)	~ 1.60 kg/m³ (23 °C)																												
Working Temperature	+5°C - +35°C																												
Pot Life	90 minutes																												
Flexural Strength	≥2.00 N/mm² (28 days)																												
Compressive Strength	≥6.00 N/mm² (28 days)																												
Water Absorption	≤ 0.5 kg/m² min^ (0.5) (28 days)																												
Adhesion Strength on Thermal Insulation Material	≥ 0.08 N/mm² (28 days) ~0.12 N/mm² (28 days)																												
Reaction to Fire Class	A1																												
Consumption	~1.60 kg/m² material is used for 1mm of thickness (variable, depending on surface conditions)																												
Application tools	Steel Trowel																												
Storage	Shelf life is approximately 12 months. Products should be stacked in a cool and dry place, with maximum 10 bags on each other.																												
Surface Preparation	Application temperature should be between +5°C and +35°C. The surface must be clean, dry, and solid. Special care should be taken to ensure that the surface of the insulation board is clean and dry. During application, the environment must be protected from wind, sunlight, and adverse weather conditions.																												
Preparation Instructions	5–6 kg (may vary depending on air temperature) of clean, cool mixing water should be poured into a mixing container. Then, 25 kg of powder material is slowly added into the water while stirring. The mixture should be blended with a low-speed appropriate mixer for 3–4 minutes until a lump-free, homogeneous consistency is achieved. The prepared mixture should be rested for 5–10 minutes. After maturing, the mortar should be stirred again before use. No additional water should be added to the powder once the mixing process has started.																												
Application	The ready-mixed mortar should be prepared using the recommended amount of water until a homogeneous consistency is obtained. The prepared material is applied to the surface of the polystyrene board using a steel trowel. While the mortar is still wet, the reinforcement mesh is placed on the surface and ZNR POLIPLAST Plaster Mortar is applied to form an approximately 2 mm thick layer and smoothed. After completing the first coat of plaster, wait at least one day. Once the second coat is applied, and the mortar is nearly dry, the surface should be floated with a sponge. Any marks on the surface should be removed using the																												

Revision:4.4.2025

	sponge to prepare the surface for finishing. Once the surface is cured, any desired coating in terms of color and texture can be applied.
Considerations	Protect the plastering application from wind and sunlight during application.
General Matters	<p>The above product information and descriptions have been prepared as a guide based on our experience and careful research. However, the variety of materials used and the differences in construction and application conditions are beyond our control and influence. Therefore, the warranty is strictly limited to the manufacturing quality of the product. No guarantee is provided for the application process.</p> <p>This technical data sheet supersedes all previously published sheets. The quality of results obtained from the product depends on the professionalism of the application. In case of doubt, a small test should be performed or technical assistance should be sought.</p>
Disposal	Empty packaging should be disposed of in accordance with local regulations or recycling guidelines. Used product waste should be completely dried and hardened before disposal as construction waste. Burning product residues is hazardous and strictly discouraged.
Safety Information	Keep the product out of reach of children. Ensure lids are tightly closed after use. It is recommended to use gloves and safety goggles during application. In case of skin contact, wash the affected area thoroughly with soapy water. If contact with eyes occurs, seek medical attention immediately. For more detailed information, refer to the Material Safety Data Sheet (MSDS).