

ZNR™ CEOFIX 2500 Machine Plaster

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| Product Description | It is a grey cement-based, fiber-reinforced rough plaster mortar containing environmentally friendly additives and specially graded aggregates, offering high performance, long service life, and excellent water vapor permeability, and suitable for application by hand or with plastering machines on interior and exterior surfaces. | | | | | | | | | | | | | | | | | | | | | | | | |
| Product Number | 508 | | | | | | | | | | | | | | | | | | | | | | | | |
| Areas of Application | <ul style="list-style-type: none"> • Ideal for walls and ceilings, especially on aerated (gas) concrete surfaces, • Provides a strong and reliable base for tile and marble adhesive applications, • Perfect for load-bearing structures such as columns, beams, and reinforced concrete walls, • Creates an excellent substrate for all finishing and decorative plaster systems, | | | | | | | | | | | | | | | | | | | | | | | | |
| Characteristics /Advantages | <ul style="list-style-type: none"> • Effectively prevents bleeding and mold formation, helping to preserve and protect the value of the structure • Easy to apply by hand or machine; suitable for horizontal, vertical, and ceiling applications. • Allows surfaces to breathe thanks to its excellent water vapor permeability. • Provides outstanding adhesion to a wide variety of substrates. • Serves as a perfect base layer for all finishing and decorative plaster systems. • Can be used as both base coat and finishing plaster for mineral- and organic-based plaster systems. • Ideal as a base plaster for thin-layer tile and marble adhesive applications. | | | | | | | | | | | | | | | | | | | | | | | | |
| Technical Data | <table border="1"> <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>~ 1.7 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 120 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) ~12 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 1.7 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 | Grey | Package | 25 kg kraft bags | Density (Fresh Mortar) | ~ 1.7 kg/m ³ (23 °C) | Working Temperature | +5°C / +35°C | Pot life | Approximately 120 minutes | Water Absorption | W1-c ≤ 0.40 kg/m ² . Min. ½ (28 days) | Compressive Strength | ≥6 N/mm ² (28 days) ~12 N/mm ² (28 days) | Flexural Strength | ≥2 N/mm ² (28 days) ~4 N/mm ² (28 days) | Adhesion Strength | ≥0.5 N/mm ² (28 days) | Reaction to Fire | A1 | Consumption | Varying depending on surface conditions, approximately 1.7 kg/m ² 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>Ensure that the curing of cement-based substrates is fully completed and that the surface is firm and sound before application.</p> <p>The application surface must be free from dust, loose particles, oil, grease, and other contaminants. It should be crack-free, dry, and clean. Prepare the surface for plastering by pre-wetting it with a brush or sponge (damp but not saturated).</p> <p>Use plaster profiles to ensure proper alignment and thickness control. Apply plaster mesh at the junctions of columns and beams to prevent cracking.</p> <p>Aerated (gas) concrete and pumice brick walls should be moistened more thoroughly than other surfaces before application. Under very hot conditions or on highly absorbent substrates, the use of ZNR Primer P250 is recommended to reduce surface absorption and improve adhesion.</p> | | | | | | | | | | | | | | | | | | | | | | | | |
| Preparation Instructions | <p>Pour the 25 kg powder material into 5.0–6.0 liters of clean, cool mixing water (the amount may vary depending on ambient temperature). Mix with a suitable low-speed mixer for 3–4 minutes until a homogeneous and smooth consistency is obtained. Allow the mixture to rest for 5–10 minutes (maturing time).</p> <p>Re-mix the matured material briefly before application.</p> <p>Do not add water to the powder material directly.</p> | | | | | | | | | | | | | | | | | | | | | | | | |



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| Application | <p>Apply the prepared material onto the surface in a single layer with a thickness of 10–25 mm using a steel trowel or plastering machine. Application is recommended at ambient temperatures between +5°C and +35°C.</p> <p>For surfaces requiring a plaster thickness of 25 mm or more, apply ZNR CEOFIX 2500 in two layers. Allow the first layer to dry for at least 24 hours before applying the second layer.</p> <p>If required, apply the second layer with a thickness of 10–25 mm using plaster mesh after the waiting period to enhance strength and prevent cracking.</p> |
| Considerations | <ul style="list-style-type: none"> • Ensure the application area is protected from wind and direct sunlight for optimal performance. <p>Thorough pre-wetting of the substrate is essential for best results.</p> |
| General Matters | <p>The above product data and descriptions are provided for guidance purposes only, based on our experience and careful research. Since we cannot control the variety of materials used or the different site and application conditions, no responsibility can be accepted for the results of improper application.</p> <p>Our warranty is limited solely to the quality of the product supplied and does not cover application workmanship. No guarantee is given for applications carried out beyond our control, but only for product manufacturing quality.</p> <p>This technical data sheet supersedes all previous editions. The performance of the product may vary depending on application methods and site conditions. In case of doubt, it is recommended to carry out a small trial application or consult our technical support team.</p> |
| Disposal | <p>Empty packaging should be disposed of in designated collection bins in accordance with local and regional regulations or recycling guidelines.</p> <p>Unused product residues should be allowed to dry and harden and then disposed of as construction waste. Burning product remnants is hazardous and strictly prohibited.</p> |
| Safety Information | <p>Keep the product out of the reach of children. Ensure that containers are kept tightly closed when not in use. It is recommended to wear protective gloves and safety goggles during application.</p> <p>In case of skin contact, wash immediately with soap and plenty of water. In case of eye contact, seek medical attention immediately.</p> <p>For further information, please refer to the Material Safety Data Sheet (MSDS).</p> |

