

ZNR™ SL 450

Self Levelling Screed

Product Description	Self-propagating, mineral-added, special cement-based, polymer-modified, and high-performance leveling screed that creates nonporous structure.																		
Product Number	613																		
Areas of Application	<ul style="list-style-type: none"> • Indoors and dry environments • Filling the gaps in concrete floors, and repairing old concrete and screed surfaces, • Education and administration buildings, • Under ceramic, granite, and marble coatings, • Under wood, parquet, and laminate coatings, • Under carpet, PVC, linoleum, and rubber coatings • For correcting various grounds that are not in desired smoothness, • For final coating of indoors with high pedestrian traffic. • Suitable for wheelchair traffic and underfloor heating systems. 																		
Characteristics /Advantages	<ul style="list-style-type: none"> • Can be applied by pump. • Self-spreading. • Suitable for places warmed by the sun. • Fast set-up and quickly reach high strength values. 																		
Reference Standard	TS EN 13813 / CT-C50-F10																		
Technical Data	<table> <tr> <td>Powder Color</td><td>Grey</td></tr> <tr> <td>Working Temperature</td><td>+5°C / +30°C</td></tr> <tr> <td>Open time</td><td>~ 35 minutes</td></tr> <tr> <td>Time for getting ready for coating</td><td>1-3 days depending on the thickness</td></tr> <tr> <td>Application tools</td><td>Suitable trowel, spike roller</td></tr> <tr> <td>Compressive Strength</td><td>28 day > 60 N/mm²</td></tr> <tr> <td>Flexural Strength</td><td>28 day > 10 N/mm²</td></tr> <tr> <td>Consumption</td><td>Varies depending on surface conditions. ~2.10 kg/m² material is required for every 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	Working Temperature	+5°C / +30°C	Open time	~ 35 minutes	Time for getting ready for coating	1-3 days depending on the thickness	Application tools	Suitable trowel, spike roller	Compressive Strength	28 day > 60 N/mm ²	Flexural Strength	28 day > 10 N/mm ²	Consumption	Varies depending on surface conditions. ~2.10 kg/m ² material is required for every 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	The application surface should be cleaned from loose parts, grease and other chemicals and should be crack-free, dry, and clean. It is highly recommended to use suitable ZNR Primer for the surface before application of the levelling screed.																		
Preparation Instructions	Pour the powder material (25 kg) into 4.00 – 4.50 lt (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. The mixture is allowed to rest for 2-3 minutes. The mortar is mixed again. The mixture should be used within 15 minutes. Do not add water into the powder material.																		
Application	Use spike roller to avoid air bubbles in the product during application and to ease propagation. It is recommended to make the application at a temperature between +5 and +30 °C.																		
Considerations	<ul style="list-style-type: none"> • The surface must be cleaned from adherence reducing materials and a suitable primer must be used. • Since leveling screed hardens fast, prepare the material at an amount that can be applied in one application. • Do not add water into the mortar that has already hardened. • Do not exceed the recommended amount of water. Do not add water while taking the product outlet. • No additives (binder, lime, mortar, additive, etc.) should be placed in the prepared mixture. • Protect the area where the application is fresh from high temperature, UV and airflow. • It is recommended to use spike roller to evacuate air bubbles. 																		

General Matters	Abovementioned product data and descriptions are prepared for guiding purposes as a result of our experiences and diligent studies. We, individually, cannot 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.
Disposal	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.
Safety Information	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.