

ZNR™ T 100

Quartz Based Concrete Surface Hardener

Product Description	Cement-based, chemical-added industrial coating material that contains quartz aggregate, provides high resistance and durability against abrasion-impact, and is applied on fresh concrete surfaces.																						
Product Number	605																						
Areas of Application	<ul style="list-style-type: none"> • Loading-unloading areas, warehouses, docks, shipyards, • Aircraft hangers, heliports, underground train stations, • Pedestrian ways, pavements, parks-gardens, underground passages, • Car parks, garages, vehicle maintenance and gas stations, • Factories, power plants, mechanical workshops, • New flooring of schools, shopping centers, houses and trade buildings. 																						
TSE Standard	TS EN 1504-2																						
Technical Data	<table border="1"> <tr> <td>Color</td><td>Grey, red, green and special desired colors</td></tr> <tr> <td>Package</td><td>25 kg kraft bags</td></tr> <tr> <td>Pedestrian traffic</td><td>1–2 days</td></tr> <tr> <td>Vehicle traffic</td><td>7–15 days</td></tr> <tr> <td>Free traffic</td><td>28 days</td></tr> <tr> <td>Abrasion Resistance</td><td><3000 mg (TS EN 1504-2)</td></tr> <tr> <td>Capillary Water Absorption</td><td><0.1 (kg/m².h0,5) (TS EN 1504-2)</td></tr> <tr> <td>Impact Resistance</td><td>Class III (TS EN 1504-2)</td></tr> <tr> <td>Adhesion Strength by Pull-off</td><td>≥ 2 N/mm² (TS EN 1504-2)</td></tr> <tr> <td>Consumption</td><td>Approximately 4,0-7,0 kg/m² depending on purpose of use and traffic load.</td></tr> <tr> <td>Storage</td><td>Shelf life is approximately 12 months in a cool and dry environment. Products should be stacked with maximum 10 bags on each other.</td></tr> </table>	Color	Grey, red, green and special desired colors	Package	25 kg kraft bags	Pedestrian traffic	1–2 days	Vehicle traffic	7–15 days	Free traffic	28 days	Abrasion Resistance	<3000 mg (TS EN 1504-2)	Capillary Water Absorption	<0.1 (kg/m ² .h0,5) (TS EN 1504-2)	Impact Resistance	Class III (TS EN 1504-2)	Adhesion Strength by Pull-off	≥ 2 N/mm ² (TS EN 1504-2)	Consumption	Approximately 4,0-7,0 kg/m ² depending on purpose of use and traffic load.	Storage	Shelf life is approximately 12 months in a cool and dry environment. Products should be stacked with maximum 10 bags on each other.
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Surface Preparation	In order to obtain a healthy application and a firm ground, the concrete to be poured should be minimum class C25 or 350-dose concrete. It is better to use a suitable ZNR Primer as adherence enhancer between old and new concrete. Start application of ZNR T 100 if 3-5 mm of footprint remains on the concrete surface when stepped on the surface. There should be no excess water on the surface. Remove excess water accumulating from the surface. The surface should be humid.																						
Preparation Instructions	The product is ready for use.																						
Application	Spread 2/3 of the material to be used on the surface homogeneously by sprinkling and wait for moistening of all areas equally (color change must occur). Let the concrete absorb the material and let the material coalesce with the concrete by means of tray polishing. Sprinkle the remaining 1/3 of the material homogeneously on the surface in the same way and wait for moistening (color change) of all areas equally. Then, proceed with polishing by letting the surface absorb the material. After obtaining a surface hardness on which it is possible to walk, apply a fine polishing avoiding any damage to the material in order to obtain a high-quality surface. After ZNR T 100 application is completed, it is strongly recommended to use a suitable ZNR CURE 100 material to avoid early drying and shrinkage cracks and improve surface performance.																						
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.