

## ZNR™ PRINTED CONCRETE YS

### Printed Concrete Surface Hardener

<b>Product Description</b>	Cement-based and chemical-added printed concrete surface hardener that contains granulometric fine aggregate, is applied using concrete forms and provides high resistance and durability against abrasion-impact.												
<b>Product Number</b>	610												
<b>Areas of Application</b>	<ul style="list-style-type: none"> <li>• Pool sides, tourist facilities, coastline walking ways, squares,</li> <li>• Villas, building complexes and flats,</li> <li>• Pedestrian ways, pavements, parks-gardens, underground passages,</li> <li>• Car parks, garages, vehicle maintenance and gas stations,</li> <li>• A very wide area of application such as fair areas, shopping centers, new flooring of houses and trade buildings, etc.</li> </ul>												
<b>Characteristics /Advantages</b>	<ul style="list-style-type: none"> <li>• Appears like real natural stone coating. Esthetic, colorful and decorative.</li> <li>• Economic.</li> <li>• Suitable for indoors and outdoors; dust-free; easy cleaning thanks to its resistance against getting dirt.</li> <li>• Manufactured for easy application on concrete surfaces and highest surface resistance. Perfectly adheres to base concrete.</li> </ul>												
<b>Technical Data</b>	<table border="1"> <tr> <td>Color</td><td>Grey, red, green, brown, beige and special desired colors</td></tr> <tr> <td>Appearance</td><td>Colorful fine powder</td></tr> <tr> <td>Package</td><td>25 kg kraft bags</td></tr> <tr> <td>Opening for Traffic</td><td>Approximately 24–72 hours (variable, depending on ambient conditions)</td></tr> <tr> <td>Consumption</td><td>Approximately 5.0-7.0 kg/m<sup>2</sup> depending on purpose of use and traffic load. Do not use less than 5.0 kg/m<sup>2</sup> for light colored applications.</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, brown, beige and special desired colors	Appearance	Colorful fine powder	Package	25 kg kraft bags	Opening for Traffic	Approximately 24–72 hours (variable, depending on ambient conditions)	Consumption	Approximately 5.0-7.0 kg/m <sup>2</sup> depending on purpose of use and traffic load. Do not use less than 5.0 kg/m <sup>2</sup> for light colored applications.	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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<b>Surface Preparation</b>	In order to obtain a healthy application and a firm ground, the concrete to be poured should include minimum 300-350 kg/m <sup>3</sup> cement. Level the surface with a suitable trowel (straightedge) in a way that base concrete will be homogenous and have a smooth surface.												
<b>Preparation Instructions</b>	The product is ready for use.												
<b>Application</b>	<p><b>ZNR Printed Concrete YS Application:</b> Start application if 3-5 mm of footprint remains on the concrete surface when stepped on the concrete surface. There should be no excess water on the surface. Remove excess water accumulating from the surface. The surface should be humid. Open the concrete surface by means of trowel coating.</p> <p>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 trowel coating. 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 using a steel trowel.</p> <p><b>Mould Release Agent Application:</b> Then sprinkle <b>ZNR RA</b> (printed concrete release agent) on the surface as early as possible and proceed with printing with molds. Sprinkle the material on the windward and with parallel movements to the ground. Sprinkling should be as fine as possible; the material should cover the entire ground but should not accumulate and cause loss of details.</p> <p>Immediately after completion of printing, remove the molds and keep in a dry area after cleaning with water. The molds that will not be used for a long time should be protected by coating with talcum or similar powder.</p> <p>Wash the surface with pressurized water 1-2 days after application until the desired effect is obtained. Washing should be on time and with adequate hardware, since, in case of late or insufficient washing, loss of details in the pattern, toning of color or blistering of varnish layer may occur.</p>												

	<b>Protective Varnish Application:</b> Remove dirt and dust before application from the surface that is put on for drying. Pay attention that the surface should be dry before application. First layer of <b>ZNR V 120</b> (Protective Varnish) application can be done using an injector or brush. After full-drying, apply second layer of <b>ZNR V 120</b> (Protective Varnish) and thus the application is finalized. After full drying (approximately 24 – 72 hours), the surface can be opened for use.
<b>Considerations</b>	<ul style="list-style-type: none"><li>• Do not apply on wet or frozen surfaces.</li><li>• Do not inhale and do not swallow. Creates sensitivity in contact with skin. (R20/R21/R22)</li><li>• Use only in the areas with good ventilation.</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.