

ZNR™ PRIMER EW

Two-Component Water Based Epoxy Impregnated Primer

Product Description	Two-component, solvent-free, water based, epoxy impregnated primer. Perfectly penetrates into the applied surface thanks to its low viscosity and high penetration capacity.																		
Product Number	400																		
Areas of Application	<p>Provides ideal ground system for:</p> <ul style="list-style-type: none"> • Automotive manufacturing and service areas, car parks, garages, • Factories, manufacturing plants, • Food manufacturing areas, slaughter houses, • Hospitals and operating rooms, laboratories, • Storage areas, • Beer factories, • Water treatment facilities, • Walls of tunnels, etc., • Cleaning rooms. 																		
Characteristics /Advantages	<ul style="list-style-type: none"> • Can be conveniently used indoors because it is water-based. Solvent-free. • Can be applied easily because it is water-based. Environment friendly. • Perfectly penetrates into the applied surface and rapidly dries thanks to its low viscosity and high penetration capacity. • Provides easy adherence of additional layers on the surface. • Prevents dust emission of concrete and plastered surfaces. • Liquid impermeable. • Non-flammable. • Economic. • Volatile organic compound (VOC) free. 																		
Brightness and Color	Transparent																		
Technical Data	<table border="1"> <tr> <td>Package</td><td>A : 3.70 kg B : 11.30 kg (15 kg sets)</td></tr> <tr> <td>Appearance</td><td>Transparent Yellowish Liquid</td></tr> <tr> <td>Density</td><td>~ 1.00 gr/cm³</td></tr> <tr> <td>Viscosity</td><td>28 - 38 KU (~ 95 mPa.s)</td></tr> <tr> <td>Application surface temperature</td><td>+10°C / +35 °C</td></tr> <tr> <td>Full-Dry Time</td><td>Minimum waiting time for proceeding with coating is minimum 4 hours and maximum 24 hours. Curing time extends at low temperatures and environments with high humidity.</td></tr> <tr> <td>Pot life</td><td>~35 minutes</td></tr> <tr> <td>Consumption</td><td>0.150-0.250 kg/m² (variable, depending on surface conditions and usage purpose)</td></tr> <tr> <td>Storage</td><td>Shelf life is 12 months. Products should be stacked in a cool and dry place.</td></tr> </table>	Package	A : 3.70 kg B : 11.30 kg (15 kg sets)	Appearance	Transparent Yellowish Liquid	Density	~ 1.00 gr/cm ³	Viscosity	28 - 38 KU (~ 95 mPa.s)	Application surface temperature	+10°C / +35 °C	Full-Dry Time	Minimum waiting time for proceeding with coating is minimum 4 hours and maximum 24 hours. Curing time extends at low temperatures and environments with high humidity.	Pot life	~35 minutes	Consumption	0.150-0.250 kg/m ² (variable, depending on surface conditions and usage purpose)	Storage	Shelf life is 12 months. Products should be stacked in a cool and dry place.
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Surface Quality	Concrete surfaces must be solid and have adequate compressive strength (minimum 25N/mm ²). Clean foreign materials such as dirt, oil, grease, coating, surface curing agents, etc. from the concrete, alum or plastered surfaces. The surface should be clean and dry.																		
Surface Preparation	The surface should be prepared in a way to obtain an open porous surface as a result of removing the cement slurry from the concrete surface using abrasive equipment. Remove poor concrete and completely open birds-eye spaces and holes. Surface repairs, filling of birds-eye spaces/holes and correcting the surface should be done using solvent-free and self-propagating repair, leveling and grout mortar ZNR GROUT EP 420 or thixotropic, solvent-free epoxy- based paste ZNR PUTTY EP . Concrete, alum or plastered surfaces should be undercoated and/or leveled in a way to obtain a smooth surface. All dirt and loose parts should be removed from the surface using preferably brush and/or vacuum cleaner before the application of the product.																		

Application Conditions and Limitations	Surface moisture content: moisture content <4 % unit by weight. Dew point. Pay attention to condensation!
	Surface Temperature Minimum +10°C, Maximum + 30°C Ambient Temperature Minimum +10°C, Maximum + 30°C Material Temperature Minimum +10°C, Maximum + 30°C
Mixing Tools / Mixture	ZNR Primer EW should be thoroughly mixed using a low speed (300 - 400 cycles/min) electric mixer or other suitable equipment. Stir Component A mechanically before mixing. After adding Component B into Component A completely, mix for 2 minutes continuously until a homogenous mixture is obtained. Avoid mixing too much in order to minimize air entrainment.
Application Method / Equipment	Confirm that surface moisture content, relative humidity and dew point requirements are met before the application. As primer: Make sure that continuous and nonporous primer covers the surface. Apply two layers of primer, if required. Always use brush for application when the product is used as primer. As coating: Spread ZNR Primer EW on the surface smoothly using a short hair brush. A perfect polish can be obtained if every roller trace is followed when still wet during application. ZNR Primer EW can be applied using airless spraying equipment. Improper application of the material and differences in coating thickness may cause in differences in surface gloss.
System Structure	Primer : 1 x ZNR Primer EW Coating : 2 x ZNR Coating EW
Consumption / Dosage	Coating System Primer : 1 x ZNR Primer EW 0.15 – 0.25 kg/m ² (Consumption may change depending on absorbing capacity of the surface.) Roller coating : 2 x ZNR Coating EW 0.25 – 0.30 kg/m ² Apply for every layer. *The above values are theoretical and do not include additional material needs that may depend on surface porosity, profile, leveling differences and loss.
Package	Components A + B are offered as 15 kg ready-to-use sets, consisting of 3.70 kg + 11.30 kg, respectively.
Shelf Life	Shelf life is 1 year from the date of manufacture if stored properly at a temperature between +5°C and +35°C and away from direct sunlight.
General Matters	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.
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.