

ZNR™ PRIMER EP

Solvent-free, Epoxy Impregnated Primer

Product Description	Two-component, low-viscosity, solvent-free, epoxy impregnated primer. The product can be conveniently used indoors because it does not contain solvent and active materials. Perfectly penetrates into the applied surface, fills in capillary holes, and enhances impact resistance and chemical resistance of the applied surface. Additionally, it provides adherence of additional layers.																																
Product Number	407																																
Areas of Application	<ul style="list-style-type: none">• For lining of concrete surfaces, cement alums and epoxy mortars,• On normal and highly absorbent surfaces,• As primer for all ZNR Epoxy and Polyurethane Surface Coatings,• As binder for leveling mortars and mortar alums,• On stable surfaces of the areas that do not contain dirt, have chemical durability and require resistance to ground finish coating.																																
Characteristics /Advantages	<ul style="list-style-type: none">• Multi-purpose. Can be used for repair purposes by adding high amount of filling in it.• Can be used as top protective coating and varnish.• High chemical and mechanical durability.• Disperses and penetrates well thanks to its low viscosity.• Prevents dust emission on the applied surface.• High adhesion strength.• Short waiting time between layers.• Insulates the applied surface thanks to its liquid impermeability.• Economic.																																
Brightness and Color	Transparent (yellowish)																																
Technical Data	<table><tr><td>Package</td><td colspan="2">A : 14 kg B : 6 kg (20 kg sets)</td></tr><tr><td>Appearance</td><td colspan="2">Transparent liquid</td></tr><tr><td>Density</td><td colspan="2">~ 1.10 gr/cm³</td></tr><tr><td>Viscosity</td><td colspan="2">60 - 80 KU (~ 800 mPa.s)</td></tr><tr><td>Application surface temperature</td><td colspan="2">+10°C / +35 °C</td></tr><tr><td>Solid Matter Amount</td><td colspan="2">100%</td></tr><tr><td>Full-Dry Time</td><td colspan="2">Surface Dry Time 6 – 8 hours Full-Dry Time 24 hours</td></tr><tr><td>Pot life</td><td colspan="2">~25 minutes</td></tr><tr><td>Consumption</td><td colspan="2">0.150-0.300 kg/m² (variable, depending on surface conditions and usage purpose)</td></tr><tr><td>Storage</td><td colspan="2">Shelf life is 12 months. Products should be stacked in a cool and dry place.</td></tr></table>			Package	A : 14 kg B : 6 kg (20 kg sets)		Appearance	Transparent liquid		Density	~ 1.10 gr/cm³		Viscosity	60 - 80 KU (~ 800 mPa.s)		Application surface temperature	+10°C / +35 °C		Solid Matter Amount	100%		Full-Dry Time	Surface Dry Time 6 – 8 hours Full-Dry Time 24 hours		Pot life	~25 minutes		Consumption	0.150-0.300 kg/m² (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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Chemical Durability	<p>Durable against: Gas, Beer, Cyclohexene, Diesel Oil, Ethanol 10%, Ethylene glycol, Glycerin, Milk, Sodium Chloride Solution 3-30% Sodium Hydroxide 10%, Olive Oil, Paraffin, Petroleum, Castor Oil, Silicone Oil, Turpentine, Water and Soap.</p> <p>Partially durable against: Butanol, Ethanol, Methylisobutylketone, Perchlorethylene and Xylene.</p> <p>*Color change may be observed due to effects of chemicals. This study was held at room temperature. High temperature values and/or mix of chemicals may affect chemical durability.</p>																																
Surface Quality	Base concrete surfaces must be solid and have adequate compressive strength (minimum 25N/mm²). Clean foreign materials such as dirt, oil, grease, coating, surface curing agents, etc. from the base surface. The surface should be clean and dry.																																
Surface Preparation	Highly glossy and glossy surfaces and/or surfaces with concrete hardener 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 loose and poor parts on the concrete surface and completely open birds-eye spaces, holes and cracks. All dirt and loose parts should be removed from the surface using preferably vacuum cleaner and/or cleaning brush before application of ZNR PRIMER EP .																																

	Apply ZNR PRIMER EP on all surfaces that are ready for application using a roller and/or brush. Repair and level the pits, cracks, fractures and birds-eye holes on the concrete and alum surfaces after 2 - 8 hours (do not exceed 24 hours) by mixing quartz sand with 0,1-0,3 mm granulometry into ZNR PRIMER EP . Solvent-free epoxy impregnate must be applied on concrete or alum surfaces and/or the surface must be leveled in a way to obtain a smooth surface.		
Appliaction Conditions and Limitations	Surface moisture content: moisture content <4% unit by weight. Dew point. Pay attention to condensation! Surface Temperature		

	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.