

ZNR™ PUTTY EP WT
Epoxy-Based, Thixotropic, Adhering, Repair, Anchorage and Mounting Paste

Product Description	Two-component, solvent-free, epoxy-based, thixotropic and anti-corrosive aged-new concrete adhering, anchorage, repair and leveling material which can be used even for humid environments.
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Product Number	308
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Areas of Application	<ul style="list-style-type: none"> As adhesive and anti-corrosive material for reinforcing columns, beams and curtains with metal elements (jacketing), For repairing damages such as cracks, joint gaps, pits, fractures, segregation, etc. on walls and ceilings of concrete construction elements, As fixation and adhesive paste for mounting of machinery foundations, bridge bearings and crane rails. For anchorage and preventing corrosion of connection rods and bolts for new columns, beams and curtains to be constructed on the concrete.
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Characteristics /Advantages	<ul style="list-style-type: none"> Can be used on ceilings and walls thanks to its thixotropic characteristic. Hardens in short time without shrinking. Hardens even at low temperatures. Perfectly attaches reinforcement to concrete. Applicable on humid surfaces and hardens under humidity. Perfectly adheres to surfaces such as concrete, sheet metals, etc. Solvent-free.
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Technical Data

Color	Light Grey
Package	10 kg (A+B) sets
Density	~1.45 gr /cm ³ mix of A+B sets (at 23 °C)
Mixture life	~40 min (at 23 °C)
Adhesion on Concrete	~ 2 N/mm ² (7 days) (Rupture from Concrete)
Full Curing Time	7 days
Sagging Resistance	No sagging up to 10 mm of thickness for vertical applications.
Change in Volume	No change. Non-shrink.
Consumption	~1.5 kg/m ² for 1mm of thickness Variable depending on surface conditions.
Storage	Shelf life is approximately 1 year. Products should be stacked in a cool and dry place.

Surface Preparation	The application surface should be cleaned from loose parts, grease and other chemicals and should be clean, dry and mildly humid.
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Preparation Instructions and Application	Mix components A and B together with a 400 cycle/minutes mixer until homogenous color is achieved (approximately 3 minutes). Pay attention to avoid air entraining during mixing. Fill thin layers of material for the areas to be repaired.
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Considerations	<ul style="list-style-type: none"> Application surface temperature should be between 5°C and 35°C. Do not touch or contact with water for 24 hours after application. Full hardening time of the material applied at a temperature of 20°C-25°C is 7 days in average.
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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.
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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.
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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.
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