

## ZNR™ VEEP 1500

### Epoxy Vinyl Ester-Based Base Coating with High Chemical Resistance

Product Description	Bisphenol-A epoxy vinyl ester-based, hygienic and decorative, heavy-duty type protective base coat material highly resistant to abrasion and chemical effects.																		
Product Number	414																		
Areas of Application	<ul style="list-style-type: none"><li>• Storage and mounting areas,</li><li>• Maintenance workshops,</li><li>• Areas requiring high resistans particularly against acids,</li><li>• Chemistry facilities, manufacturing plants,</li><li>• Beverage and food industry such as milk, wine, swede turnip, etc.</li><li>• Areas requiring fast coating,</li><li>• Waste water facilities, acid tanks,</li><li>• For concrete, cement mortared and steel surfaces exposed to normal-medium-heavy loads and chemicals, and on stable surfaces of liquid impermeable areas that do not contain dirt, have high chemical durability and require resistance to ground finish coating.</li></ul>																		
Characteristics /Advantages	<ul style="list-style-type: none"><li>• Perfecct chemical and mechanical resistance.</li><li>• Perfect performance in acidic and alkali media.</li><li>• Very high chemical strength even at high temperatures.</li><li>• Provides high temperature resistance for long time.</li><li>• High corrosion resistance and perfect adherence capability.</li><li>• Hygienic, microbe-free.</li><li>• Provides fast and practical coating.</li><li>• No dust emission, does not gather dust, liquid impermeable.</li><li>• Provides nonskid surfaces or glossy and very smooth finish coatings can be obtained.</li><li>• Enables easy maintenance and cleaning.</li></ul>																		
Brightness and Color	Brownish transparant.																		
Mechanical / Physical Properties	<table><tr><td>Density</td><td>~1.1 gr/cm<sup>3</sup> (at 23 °C)</td></tr><tr><td>Solid Matter Percentage</td><td>100%</td></tr><tr><td>Thinning</td><td>No.</td></tr><tr><td>Styrene percentage</td><td>42 - 44%</td></tr><tr><td>Temperature of Deflection under Load</td><td>~ 100 °C</td></tr><tr><td>Barcol hardness</td><td>35</td></tr><tr><td>Elongation at break</td><td>6.90%</td></tr><tr><td>Gelling Time</td><td>25 – 35 minutes (at 23 °C)</td></tr></table>			Density	~1.1 gr/cm <sup>3</sup> (at 23 °C)	Solid Matter Percentage	100%	Thinning	No.	Styrene percentage	42 - 44%	Temperature of Deflection under Load	~ 100 °C	Barcol hardness	35	Elongation at break	6.90%	Gelling Time	25 – 35 minutes (at 23 °C)
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Chemical Durability	<b>ZNR PRIMER VEEP 1500</b> is resistant against many chemicals. Please provide chemical resistance list of this product from <b>ZNR</b> technical service department.																		
Surface Quality	Concrete sub-surfaces must be solid and have adequate compressive strength (minimum 25N/mm²) and tensile strength must be minimum 1.5 N/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	Concrete sub-surfaces should be prepared in a way to obtain an open porous surface using abrasive equipment as a result of removing the cement. Remove poor concrete and completely open birds-eye spaces and holes. Sub-surface repairs, filling birds-eye holes/pits and leveling the surface should be performed with mix of 0.01-0.3 mm quartz sand. Concrete or alum surfaces should be undercoated 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. Relative air humidity should be maximum 80%.  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	<b>ZNR VEEP 1500</b> should be thoroughly mixed using a low speed (300 - 400 cycles/min) electric mixer or another suitable equipment. Stir Component A mechanically before mixing. After adding component B, continue mixing. Add component C into this mixture after 10 minutes and mix.																		
Application Method / Equipment	<b>ZNR VEEP 1500</b> can be applied using a short hair roller or notched trowel suitable for the system (crosswise).																		

<b>Package</b>	Components A + B+ C: 18 kg ready-to-use sets
<b>Shelf Life</b>	Store in a dark and dry environment between +5°C and +30°C. Shelf life of the product reduces as temperature increases. Shelf life is approximately 6 months from the date of manufacture if stored properly.
<b>Considerations</b>	<ul style="list-style-type: none"><li>• Keep away from devices flame, sparkle or sparkling devices and do not smoke.</li><li>• Store away from oxidizing agents, peroxides and metal salts.</li><li>• Allergic. Take all protective measures during application.</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.