

# GlobalDur GN114 Waterbased Zinc



PERFORMANCE IN COATINGS

## TECHNICAL DATA SHEET

### Waterbased Epoxy Zinc Primer

<b>PRODUCT DESCRIPTION</b>	◆ GlobalDur GN114WZ is an epoxy/amine zinc waterbased coating.	
<b>PERFORMANCES</b>	<ul style="list-style-type: none"> <li>• Excellent flexibility;</li> <li>• Excellent anticorrosive protection;</li> <li>• Waterbased and friendly application properties.</li> </ul>	
<b>RECOMMENDED USE</b>	Metallic structures, Storage tanks (exterior), Transportation industry and Steel pipelines.	
<b>APPROVALS</b>	<ul style="list-style-type: none"> <li>◆ Complies with ISO 12944-5, as being suitable for coating systems until C5-M and Im1.</li> <li>◆ SSPC level 3 content.</li> </ul>	
<b>COMPONENT A</b>	<b>COMPONENT B</b>	<b>COLOURS</b>
GN114WZ	H114WZ	GN114WZG7000 (grey).

### Physical Properties

<b>GLOSS</b>	Matte.
<b>SOLIDS BY VOLUME</b>	65 % ± 2 %.
<b>VOC*</b>	100 grams/L.
<b>FLASH POINT</b>	12°C (>54°F) Setaflash.
<b>PERFORMANCE</b>	

### Application

<b>SURFACE PREPARATION</b>	<p>Painting Direct to Substrate: GlobalDur GN114WZ is suitable for surfaces prepared by grit blasting, accordingly with the following standards:            Grit Blasting: SA2 (ISO 8501-1:1988)            Hydroblasting: Wj2-M (SSPC SP12 – VIS4(I) / NACE N°5- N°7)</p> <p>Apart from the surface preparation method, the moisture tolerance of GlobalDur GN114WZ allow the surface to be washed with tap water before painting, ensuring a final lower salts level. By this way, it is possible to achieve a non visual standard SC2 (NACE 5 / SSPC-SP12). Please contact GlobalNavy office in case of any doubt or for further information.</p>
<b>APPLICATION METHOD</b>	Can be applied by airless or conventional spraying. For roller application, use a short nap, new roller
<b>APPLICATION CONDITIONS</b>	The substrate temperature shall be 10°-50°C. The ambient temperature shall be >15°C and moisture <80%. There is no dew point restrictions.
<b>APPLICATION DATA</b>	GlobalDur Gn114 Waterbased Epoxy Zinc is a two pack product. Stir base first to obtain smooth homogenous condition not longer than 2 minutes. After obtaining a uniform base, add the curing agent slowly to the base under continuous stirring for 3 minutes. Allowed another 1 or 2 minutes induction time before application. Thinning is not normally required but may be adjusted with 0-

<b>ISSUED</b>	Edition 03 / Mod.10 - 21/05/2018
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	5% of GN150TH. The use of a speed adjustable power mixer is recommended. Higher temperatures will reduce pot life of the mixture. Lower temperatures will increase it.
<b>MIX RATIO</b>	9 / 1 by weight and 4 / 1 by volume
<b>HARDENER</b>	H114WZ
<b>POT LIFE</b>	4 hours at 23°C (73°F).
<b>THINNER</b>	GN150TH epoxy thinner.
<b>SOLVENT / CLEANER</b>	GN150TH/GN003TH
<b>DRY TIME</b>	Surface dry: 30 minutes (at 60°C (140°F) and 50% relative humidity; 1 hour (at 23°C (73°F) and 50% relative humidity.
<b>THEORETICAL COVERAGE</b>	16.2 Sq.m/Lt. (661 Sq.ft/US gal.) Dft: 40 microns and Wet: 60 microns (2.5 mils).
<b>TYPICAL PAINT SYSTEM</b>	<ul style="list-style-type: none"> <li>• GlobalDur GN114WZ 1 x 65µm (DFT)</li> <li>• GlobalThane GN151EW 1 x 50µm (DFT)</li> <li>• GlobalThane GN250PW 1 x 40µm (DFT).</li> </ul> <p>This is a typical system for non immersion conditions. Please contact GlobalNavy for other applications.</p>
<b>STORAGE</b>	2 years (storage on the original tightly closed containers in a dry, cool, well ventilated space, at temperatures between 5°C - 40°C).
<b>PACKING</b>	Two pack product, available in packs (A+B) of 5 L and 20 L.
<b>FURTHER INFORMATION</b>	Care should be taken that proper and uniform film thickness is obtained.
<b>HEALTH SAFETY</b>	Please take the necessary measures in order to accomplish the national laws and regulations regarding the environmental, health and safety at work. Please observe the safety information displayed on the container. Please refer to the Safety Data Sheet for detailed information on the health, safety hazards and precautions for the use of this product.

The information on this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. This is not a specification and all information is given in good faith. Every values presented as Theoretical were calculated from the product formula, so can have deviation from laboratory measurements using standard methods that may be not applicable. However, since the product can be used under conditions beyond our control, the manner of use is the sole responsibility of the user. The product is intended for professional use only. Manufacturer does not assume any liability in connection with the use of the product relative to coverage, performance or injury. This Technical Data Sheet content can be changed without notice.

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