

# GlobalDur GN114 Epoxy Zinc



## TECHNICAL DATA SHEET



### Epoxy Zinc Primer

<b>PRODUCT DESCRIPTION</b>	◆ GlobalDur GN114EZ is an epoxy/polyamide primer based product.		
<b>PERFORMANCES</b>	<ul style="list-style-type: none"> <li>• Good flexibility;</li> <li>• Excellent anticorrosive protection;</li> <li>• Good 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 ISSO 12944-5, as being suitable for coating systems until C5-M and Im1.</li> <li>◆ Complies with SSPC zinc content level 3.</li> </ul>		
<b>COMPONENT A</b>	<b>COMPONENT B</b>	<b>COLOURS</b>	
GN114EZ	H006A	GN114EZG7000 (grey).	

### Physical Properties

<b>GLOSS</b>	Matte.
<b>SOLIDS BY VOLUME</b>	55 % ± 2 %..
<b>VOC*</b>	> 340 grams/Lt.
<b>FLASH POINT</b>	> 34°C (> 93°F) Setaflash.
<b>PHYSICAL PROPERTIES</b>	Density: 2,0 g/cm <sup>3</sup> Coating System Properties (GN120ER/GN206PFAG) Adhesion - Pull Off (ASTM D4541) Dry surface: >50 Kg/cm <sup>2</sup> (Mpa) (710 psi) (or >1,5 Kg/cm <sup>2</sup> (Mpa) cohesive on the concrete) Adhesion- Tape test (ASTM D3359) Rate - 5B (between finish coat GN206PFAG and GN120ER) Abrasion Strength (ISO7784-2) 32 mg (1000 cycles / 1000 g / CS10) Barcol Resistance(ASTM D2583) 24 Maximum Elongation (ISSO/R 527) 2% Elasticity Modulus (ISSO/R 527) 106,000 KgF/cm <sup>2</sup> Compressive Strength (ISSO 844) 1.020 KgF/cm <sup>2</sup> ( 15,000 psi ) Flexural Strength (ISSO 178) 650 KgF/cm <sup>2</sup> (9245 psi.) Impact Resistance (EN ISSO 6272) IR4 Exterior Exposure (ASTM D1014) 2 years- (Chalking) (ASTM D659): Rate 1 QUV (Using A340 & B313 bulbs) 2000 hours – (Chalking) (ASTM D659): Rate 0 Absorption (ASTM D570) 0,1% Fire Reaction (EN 13501-1) Bfl-s1

### Application

<b>SURFACE PREPARATION</b>	Application directly to steel surfaces pre-treated by Blast cleaning to Sa 2,5 (ISO 8501-1:1988). Surfaces must be free of grease, dry spray, dust, moisture and other foreign matters.
----------------------------	---

# GlobalDur GN114 Epoxy Zinc



For more detail's contact GlobalNavy's office.

<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>	Applications over wet surfaces or under humid conditions are not recommended. Make sure that all areas are well ventilated and relative humidity is below 85%. The substrate temperature shall be 0°-+50°C. The ambient temperature shall be >0°C and substrate temperature should be minimum 10°C (32°F) and at least 4°C (7°F) above the dew point of the air, measured in the vicinity of the surface. It is very important for the safety of the applicator and the proper performance of the product.
<b>APPLICATION DATA</b>	GlobalDur Gn114 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 or desired, and excessive thinning can adversely affect application and appearance properties. The use of a speed adjustable power mixer is recommended. Do not over agitate as this, will accelerate cure and lower life of product. Higher temperatures will reduce pot life of the mixture. Lower temperatures will increase it.
<b>MIX RATIO</b>	9.5 / 1 by weight and 3.7 / 1 by volume
<b>HARDENER</b>	H006A
<b>POT LIFE</b>	8 hours at 23°C (73°F).
<b>THINNER</b>	GN003TH epoxy thinner
<b>SOLVENT / CLEANER</b>	GN003TH epoxy thinner
<b>DRY TIME</b>	Surface dry: 30 minutes (at 23°C (73°F) and 50% relative humidity).
<b>THEORETICAL COVERAGE:</b>	10.6 Sq.m/Lt. (432 Sq.ft/US gal.) Dft: 50 microns and Wet: 94 microns (4 mils).
<b>TYPICAL PAINT SYSTEM</b>	<ul style="list-style-type: none"> <li>• GlobalDur GN114EZ 1 x 75µm (DFT)</li> <li>• GlobalThane GN106EP 1 x 75µm (DFT).</li> </ul> This is a typical system for non immersion conditions. Please contact GlobalNavy for other applications.
<b>STORAGE</b>	4 years (storage on the original tightly closed containers in a dry, cool, well ventilated space, at temperatures between 5°C - 30°C).
<b>PACKING</b>	Two pack product, available in packs (A+B) of 4 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

## **GlobalDur GN114 Epoxy Zinc**



content can be changed without notice.

Parque Industrial de Carrascas, Estrada Nacional 252, 2950-402 Palmela PORTUGAL  
◆ Tel.:+351 265107979 ◆ [www.globalnavy.net](http://www.globalnavy.net) ◆ email: [sales@globalnavy.net](mailto:sales@globalnavy.net)