

GlobalDur GN113 Waterbased Zinc



TECHNICAL DATA SHEET

Waterbased Epoxy Zinc Primer

PRODUCT DESCRIPTION	◆ GlobalDur GN113WZ is an epoxy/amine zinc waterbased coating.	
PERFORMANCES	<ul style="list-style-type: none">• Excellent flexibility;• Excellent anticorrosive protection;• Waterbased and friendly application properties.	
RECOMMENDED USE	Metallic structures, Storage tanks (exterior), Transportation industry and Steel pipelines.	
APPROVALS	Complies with ISO 12944-5, as being suitable for coating systems until C5-M and Im1. SSPC zinc content level 3.	
COMPONENT A	COMPONENT B	COLOURS
GN113WZ	H113WZ	GN113WZG7000 (grey).

Physical Properties

GLOSS	Matte.
SOLIDS BY VOLUME	65 % ± 2 %.
VOC*	250 grams/L.
FLASH POINT	26°C (>79°F) Setaflash.
PERFORMANCE	

Application

SURFACE PREPARATION	<p>Painting Direct to Substrate: GlobalDur GN113WZ is suitable for surfaces prepared by hydroblasting, grit blasting (dry or wet) and mechanical, accordingly with the following standards:</p> <p>Grit Blasting: SA2 (ISO 8501-1:1988)</p> <p>Hydroblasting: Wj2-M (SSPC SP12 – VIS4(I) / NACE N°5- N°7)</p> <p>Mechanical Means: St3 (ISO 8501-1:1988)</p> <p>Apart from the surface preparation method, the moisture tolerance of GlobalDur GN113WZ 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). The rust tolerance of GlobalDur GN113WZ allow a painting with a flash rust until M degree (standard SSPC VIS4(I) / NACE N°7). The anti corrosive performance over an ST3 surface, followed by degreasing and surface wash is however not so good as the other surface preparation methods. Over coated surfaces be sure of the old coating conditions (no coating defects and corrosion- in "sound conditions") and the compatibility with the GlobalDur GN13WZ. Please contact GlobalNavy office in case of any doubt or for further information.</p>
APPLICATION METHOD	Can be applied by airless or conventional spraying. For roller application, use a short nap, new roller

ISSUED	Edition 03 / Mod.10 - 21/05/2018
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PERFORMANCE IN COATINGS

APPLICATION CONDITIONS	The substrate temperature shall be 10°-50°C. The ambient temperature shall be >15°C and moisture <80%. There is no dew point restrictions.
APPLICATION DATA	GlobalDur Gn113 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 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.
MIX RATIO	9 / 1 by weight and 4 / 1 by volume
HARDENER	H113WZ
POT LIFE	4 hours at 23°C (73°F).
THINNER	GN003TH epoxy thinner
SOLVENT / CLEANER	GN150TH/GN003TH
DRY TIME	Surface dry: 30 minutes (at 23°C (73°F) and 50% relative humidity.
THEORETICAL COVERAGE	10.0 Sq.m/Lt. (407 Sq.ft/US gal.) Dft: 65 microns and Wet: 100 microns (4 mils).
TYPICAL PAINT SYSTEM	<ul style="list-style-type: none"> GlobalDur GN113WZ 1 x 65µm (dft) GlobalThane GN206PF 1 x 50µm (dft). <p>This is a typical system for non immersion conditions. Please contact GlobalNavy for other applications.</p>
STORAGE	2 years (storage on the original tightly closed containers in a dry, cool, well ventilated space, at temperatures between 5°C - 40°C).
PACKING	Two pack product, available in packs (A+B) of 5 L and 20 L.
FURTHER INFORMATION	Care should be taken that proper and uniform film thickness is obtained.
HEALTH SAFETY	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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