

# GlobalDur GN106 Epoxy Primer



PERFORMANCE IN COATINGS

## TECHNICAL DATA SHEET

**Primer based on epoxy resins and polyamide curing agents.**

<b>PRODUCT DESCRIPTION</b>	◆ GlobalDur GN106EP is an excellent anticorrosive epoxy polyamide primer. ◆ GlobalDur GN106EP is a high build epoxy primer and intermediate. ◆ GlobalDur GN106EP is specially suitable to seal and protect zinc primers.	
<b>PERFORMANCES</b>	• Excellent steel protection; • Quick drying; • Easy application.	
<b>RECOMMENDED USE</b>	Industrial (C2-C4 environments as primer) and Marine applications (C5-M, IM1-3, as an intermediate for zinc primers coating systems).	
<b>APPROVALS</b>	Complies with ISO 12944-5, as being suitable for coating systems until C5-M.	
<b>COMPONENT A</b>	<b>COMPONENT B</b>	<b>COLOURS</b>
GN106EP	H006A	GN106EPG3009 (Red Iron Oxide), GN106EPG9003 (white). For other colours, please contact GlobalNavy's office.

### Physical Properties

<b>GLOSS</b>	Matte
<b>SOLIDS BY VOLUME</b>	50 ± 2 %.
<b>VOC*</b>	> 340 grams / Lt.
<b>FLASH POINT</b>	> 25°C (> 77°F) Setaflash
<b>PERFORMANCE</b>	

### Application

<b>SURFACE PREPARATION</b>	Application directly to steel surfaces pre-treated by grit blasting cleaning to Sa 2,5 (ISSO 8501-1:1988). Surfaces must be free of grease, dry spray, dust, moisture and other foreign matters. For more details contact your local GlobalNavy 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>	Environment: Min: 10°C (50°F) - Max.: 40°C (104°F). Do not apply with relative humidity higher than 85%. Substrate: Min: 4°C (7°F) above dew point. In case of any doubt, contact your local GlobalNavy office.
<b>APPLICATION DATA</b>	GlobalDur GN106 Epoxy Primer 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

<b>ISSUED</b>	Edition 03 / Mod.10 - 21/05/2018
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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>	6.4 / 1 (by Weight) 3,7 / 1 (by Volume)
<b>HARDENER</b>	H006A
<b>POT LIFE</b>	4 hours at 23°C (73°F).
<b>THINNER</b>	GN003TH
<b>SOLVENT / CLEANER</b>	GN003TH
<b>DRY TIME</b>	Surface dry: 30 minutes at 23°C (73.4°F) and 50% relative humidity. Overcoating: 16 hours at 23°C (73°F).
<b>THEORETICAL COVERAGE</b>	10.0 Sq.m/Lt. (400 Sq.ft/US gal.) Dry: 50 microns (2 mils) • Wet: 100 microns (4 mils).
<b>TYPICAL PAINT SYSTEM</b>	• GlobalDur GN106EP 1 x 60µm (DFT) • Global GN206PF 1 x 50µm (DFT). 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 - 40°C).
<b>PACKING</b>	Two pack product, available in packs (A+B) of 1 L, 5 L and 20 L.
<b>FURTHER INFORMATION</b>	The conventional air spray is only possible with a much higher dilution ratio, so it only should be used on special applications - Please contact your local Globalnavy office.
<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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