

# GlobalDur GN125 Epoxy Paint



## TECHNICAL DATA SHEET

### Epoxy Paint Tolerant High Solids

<b>PRODUCT DESCRIPTION</b>	<ul style="list-style-type: none"> <li>◆ GlobalDur GN125EP is an excellent economic epoxy/polyamide two pack anticorrosive high solids paint for steel.</li> <li>◆ GlobalDur GN125EP is a primer design for good anticorrosive and edge retention performances at the best price.</li> <li>◆ GlobalDur GN125EP is a primer design to be applied over well tightly adherent rust and moisture or dry surfaces.</li> <li>◆ GlobalDur GN125EP is a primer design for high performances on dry or hydroblasted prepared surfaces.</li> <li>◆ GlobalDur GN125EP can be applied as a primer, intermediate or finish (however may have slight colour differences due to fade and its particular curing properties).</li> </ul>	
<b>PERFORMANCES</b>	<ul style="list-style-type: none"> <li>• High anticorrosive performance clubing Zinc Phosphat inhibitor and conversion properties;</li> <li>• No humidity/dew point restrictions;</li> <li>• Excellent adhesion even with low surface profile;</li> <li>• Good adhesion to substrate and between coats;</li> <li>• \$\$\$ Surface preparation cost reduction;</li> <li>• Good edge retentive properties.</li> </ul>	
<b>RECOMMENDED USE</b>	<p>PRIMER/INTERMEDIATE/FINISH OVER STEEL  MARINE: Maintenance on exterior tanks, decks, bilge and void areas, pipelines, rigs, offshore platforms, etc..  PROTECTIVE: Bridges, machinery, railroad cars, metallic structures, lead and other coatings covered structures, exterior of fuel and water pipe lines.  PRIMER/INTERMEDIATE/FINISH OVER CONCRETE</p>	
<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>
GN125EP	H125EP	GN125EPG7000 (Light Grey), GN125EPG3009 (Red Iron Oxide). For other colours, please contact GlobalNavy's office.

### Physical Properties

<b>GLOSS</b>	Mate.
<b>SOLIDS BY VOLUME</b>	80 ±2 %.
<b>VOC*</b>	Max. 250g/L
<b>FLASH POINT</b>	26°C (> 80°F) Setaflash

### PERFORMANCE

### Application

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PERFORMANCE IN COATINGS

<b>SURFACE PREPARATION</b>	<p>Painting Direct to Substrate: GlobalDur GN125EP is suitable for surfaces prepared by hydroblasting, grit blasting (dry or wet) and mechanical, accordingly with the following standards:          Grit Blasting: SA2 (ISO 8501-1:1988)          Hydroblasting: Wj2-M (SSPC SP12 – VIS4(I) / NACE N°5- N°7)          Mechanical Means: St3 (ISO 8501-1:1988)</p> <p>Apart from the surface preparation method, the moisture tolerance of GlobalDur GN125EpoxiPrimer 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 GN125EpoxiPaint 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 GN125EP. Please contact GlobalNavy office in case of any doubt or for further information.</p>
<b>APPLICATION METHOD</b>	<p>SPRAY: Use air-less spray. Use an equipment with a compressing 45:1 ratio, an inlet 3 bar pressure, allowing a 175-210 bar outlet pressure. A 0,017" or 0,0 19" tip is recommended. Conventional spray equipment will need to dilute 5-15% before application.</p> <p>CONVENTIONAL METHODS: Brush and roller are suitable for "stripe-coat" and small areas, care should be taken in order to achieve the dft specified. When applying on enclosed areas ensure a good ventilation. It is not necessary to use dehumidification equipment: GlobalDur GN125EP can be applied on dry or wet surfaces, even with 100% humidity and surface temperatures below the dew point.</p>
<b>APPLICATION CONDITIONS</b>	<p>The substrate temperature shall be 15°-50°C. The ambient temperature shall be &gt;15°C and moisture &gt;12%. There is no dew point restrictions.</p>
<b>APPLICATION DATA</b>	<p>GlobalDur GN125EpoxiPaint is a two pack product, so the base and hardener must be mixed on the right ratio. First, mix well component A during 2 minutes. After that, add all the hardener and stir very well until it get homogeneous. Only if necessary, for na application optimization adjustment, the product can be diluted until 5 % (v/v) with GN001TH. Mix completely both quantities of component A and B packs.</p>
<b>MIX RATIO</b>	H125EP: 5.8 / 1 (by Weight) 4 / 1 (by Volume)
<b>HARDENER</b>	H125EP
<b>POT LIFE</b>	H125EP: 6 hours (at 23°C(73°F)).
<b>THINNER</b>	GN001TH
<b>SOLVENT / CLEANER</b>	GN003TH
<b>DRY TIME</b>	<p>Surface dry: 10 hours at 15°C (59°F); 6 hours at 20°C (68°F); 4 hours at 25°C (77°F); 2 hours at 30°C (86°F).</p> <p>Dry to recoat: Min: 24 hours at 15°C (59°F); 20 hours at 20°C (68°F); 16 hours (25°C/77°F); 12 hours at 30°C (86°F).</p> <p>Max: 10 days at 15°C (59°F); 10 days at 20°C (68°F); 8 days at 25°C (77°F); 6 days at 30°C (86°F).</p>
<b>THEORETICAL COVERAGE</b>	8,0 Sq.m/Lt. (325 Sq.ft/US gal) - Dry: 100 microns/Wet: 125 microns (5 mils)
<b>TYPICAL PAINT SYSTEM</b>	<ul style="list-style-type: none"> <li>GlobalDur GN125EP 2 x 100µm (dft)</li> <li>GlobalThane GN206PF 1 x 50µm (dft). This is a system for non immersion conditions. Please contact GlobalNavy for other applications.</li> </ul>
<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>ISSUED</b>	Edition 03 / Mod.10 - 21/05/2018

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PERFORMANCE IN COATINGS

<b>PACKING</b>	Two pack product, available in packs (A+B) 5 L and 20 L.
<b>FURTHER INFORMATION</b>	If exact colour matching is required, ensure that GN125EP in each area is applied from the same control batch numbers.
<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.
<p>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.</p>	
Parque Industrial de Carrascas, Estrada Nacional 252, 2950-402 Palmela PORTUGAL ◆ Tel.:+351 265107979 ◆ www.globalnavy.net ◆ email: sales@globalnavy.net	