

# GlobalDur GN113 Epoxy Primer MIO



PERFORMANCE IN COATINGS

## TECHNICAL DATA SHEET

### Micaceous Iron Oxide Epoxy Coating

|                            |  |   |
|----------------------------|--|---|
| <b>PRODUCT DESCRIPTION</b> | ◆ GlobalDur GN113EP is an excellent high build epoxy coating based on micaceous iron oxide.<br>◆ GlobalDur GN113EP, can be applied as primer, intermediate or finish coating on iron and steel.  |   |
| <b>PERFORMANCES</b>        | <ul style="list-style-type: none"><li>• Excellent abrasion resistance and barrier effect;</li><li>• Good anticorrosive protection;</li><li>• Good chemical resistance and flexibility.</li></ul> |   |
| <b>RECOMMENDED USE</b>     | Marine and Industrial as primer, such as:<br>Helidecks, tanks, steel structures and pipes.   |   |
| <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>  |
| GN113EP                    | H006A  | GN113EPG3009 (Red Iron Oxide) and GN113EPG9011 (Aluminium). |

### Physical Properties

|                         |                            |
|-------------------------|----------------------------|
| <b>GLOSS</b>            | Semi gloss                 |
| <b>SOLIDS BY VOLUME</b> | 54 ± 2 %.                  |
| <b>VOC*</b>             | > 340 grams/Lt.            |
| <b>FLASH POINT</b>      | > 25°C (> 77°F) Sethflash. |
| <b>PERFORMANCE</b>      |                            |

### Application

|                               |   |
|-------------------------------|---|
| <b>SURFACE PREPARATION</b>    | Direct application on pre-treated steel surfaces blast cleaning to Sa 2,5 (ISSO 8501-1:1988). Surfaces must be free of grease, dry spray, dust, moisture and other foreign matters. For further informatio, contact GlobalNavy office.  |
| <b>APPLICATION METHOD</b>     | Brush, roller, Airless Spray.   |
| <b>APPLICATION CONDITIONS</b> | Air temperatures: 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 GN113 Epoxy Primer is a two pack product, so both components must be mixed on the right ratio. First, component A should be well mixed during 2 minutes. After that, add component B and stir very well until it get homogeneous. If over agitated, Pot Life will be reduced. High temperatures will reduce Pot Life and Low temperatures will increase Pot Life. |
| <b>MIX RATIO</b>              | 9,5 / 1 (by weight) and 5,1 / 1 (by volume)   |

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| <b>ISSUED</b> | Edition 03 / Mod.10 - 21/05/2018 |
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|                             |   |
|-----------------------------|---|
| <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: approx. 4 hours at 23°C (73°F) and 50% relative humidity).   |
| <b>THEORETICAL COVERAGE</b> | 5.4 Sq.m/Lt. (220 Sq.ft/US gal) Dry: 100 microns (4 mils) and Wet: 185 microns (7 mils)   |
| <b>TYPICAL PAINT SYSTEM</b> | <ul style="list-style-type: none"> <li>• GlobalDur GN113EP 1 x 100µm (dft)</li> <li>• GlobalDur GN206PF 1 x 50µm (dft). This is a typical 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>PACKING</b>              | Two pack product, available in packs (A+B) of 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 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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