

GlobalDur GN133 Underwater Epoxy



PERFORMANCE IN COATINGS

TECHNICAL DATA SHEET

Epoxy Primer Underwater Solvent free Anticorrosive for Steel and GRP

PRODUCT DESCRIPTION	<ul style="list-style-type: none"> ◆ GlobalDur GN133UE is a solvent free epoxy paint designed for underwater application accordingly with environmental regulations. ◆ GlobalDur GN133UE can be applied directly over steel, concrete, wood and fiberglass, after surface treatment. 	
PERFORMANCES	<ul style="list-style-type: none"> • Compatible with cathodic protection; • Excellent water resistance; • Easy application with conventional tools; • Application on large areas with brush or roller by pump assistance is advised. 	
RECOMMENDED USE	Underwater steel and concrete structure's repairs, dams, splashzone, pipes underwater or high condensation, water tanks, etc..	
APPROVALS		
COMPONENT A	COMPONENT B	COLOURS
GN133UE	H133UE	GN133UEG9003 (white), GN133UEG7000 (grey). For other colours, please contact GlobalNavy's office.

Physical Properties

GLOSS	Glossy.
SOLIDS BY VOLUME	100 % (theoretical).
VOC*	NA
FLASH POINT	> 100°C (> 212°F) Setaflash
PERFORMANCE	

Application

SURFACE PREPARATION	<p>Painting Direct to Substrate: GlobalDur GN133UE is suitable for steel, concrete, GRP surfaces prepared by mechanical tools or blasting, accordingly with the following standards:</p> <p>Grit Blasting: SA1 (ISO 8501-1:1988).</p> <p>Wet Blasting: WAB 6/10 (SSPC Vis 5/NACE Vis 9)</p> <p>Mechanical Treatment: St3 (ISO 8501-1:1988).</p> <p>Coated Surfaces: Before application of GN133UE, clean surface if any fouling or debris has settled on surface with abrasive discs. Surface should be free of oil or grease contamination paint before application to avoid failures. Apply soap or degreaser. For more detail's contact GlobalNavy's office.</p>
APPLICATION METHOD	Brush or roller. A power roller is recommended for quickest application.
APPLICATION CONDITIONS	Water temperature must be > 1°C (18°F).

ISSUED	Edition 03 / Mod.10 - 21/05/2018
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APPLICATION DATA	GlobalDur GN133 Underwater Epoxy is a two pack product, so both components must be mixed on the right ratio. This mixing shall be done in dry conditions. 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.
MIX RATIO	4 / 1 (by weight) and 3 / 1 (by volume)
HARDENER	H133UE
POT LIFE	40 minutes at 23°C (73°F).
THINNER	NA
SOLVENT / CLEANER	GN003TH Epoxy thinner
DRY TIME	Surface dry: Approx. 8 hours at 23°C (73°F) Recoat: Min: 16 hours at 23°C (73°F); Max: 7 days at 23°C (73°F). After that surface must be reactivated.
THEORETICAL COVERAGE	3,84 Sq.m/Kg. (18,8 Sq.ft/Lb) Dry/Wet: 200 microns (8 mils).
TYPICAL PAINT SYSTEM	• GlobalDur GN133UE 2 x 200 grams for submerge areas. For other situations, please contact GlobalNavy's office.
STORAGE	4 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 1 Kg, 5Kg.
FURTHER INFORMATION	Contrasting colours for each coat and stripe coating are recommended. If exact colour matching is required, ensure that GN132EFSL in each area is applied from the same control batch numbers.
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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