

GlobalDur GN107 Epoxy Laminate



TECHNICAL DATA SHEET



Epoxy Resin for Laminate Solvent Free

PRODUCT DESCRIPTION	<ul style="list-style-type: none"> ◆ GlobalDur GN107EL is an excellent epoxy resin solvent free for Glass Reinforced Epoxy over steel or concrete after the appropriate primer has been applied. ◆ GlobalDur GN107EL has good flexibility and bonding on glass reinforced fiber composites. 		
PERFORMANCES	<ul style="list-style-type: none"> • Excellent flexibility; • Solvent free; • Excellent wet ability to substrate and between coats; • Excellente performance and durability. 		
RECOMMENDED USE	<p>INTERMEDIATE/FINISH OVER STEEL PROTECTIVE: Pipes, tank storage bottom and walls. PRIMER/INTERMEDIATE/FINISH OVER CONCRETE For GRF on concrete reparation and reinforcement.</p>		
APPROVALS			
COMPONENT A	COMPONENT B	COLOURS	
GN107EL	H107EL	Clear.	

Physical Properties

GLOSS	Glossy.
SOLIDS BY VOLUME	100 % (theoretical).
VOC*	Max. 50g/Lt.
FLASH POINT	> 121°C (> 250°F) Setaflash.
PHYSICAL PROPERTIES	Density: 1,1 g/cm ³

Application

SURFACE PREPARATION	<p>Painting Direct to Substrate: GlobalDur GN107EL is suitable for concrete surfaces prepared accordingly with NACE N°6/SSPC-SP13 using: Mechanical Surface Preparation Methods. Chemical Surface Preparation Flame Cleaning and Blasting</p> <p>Coated surfaces: be sure of the old coating conditions (no coating defects and corrosion- in "sound conditions") and the compatibility with the GlobalDur GN107EL. The surface should be evaluated and treated accordingly with ISO8504. All the surfaces have to be clean, dry and without contamination. Please contact GlobalNavy office in case of any doubt or for further information.</p>
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APPLICATION METHOD	SPRAY: Use air less spray but be aware of the product short pot life. Use an equipment with a compressing 40:1 ratio, an inlet 5,0 bar pressure, allowing a 210-340 bar outlet pressure. A 0,017" or 0,025" tip is recommended. Conventional spray equipment only on special application conditions- contact GlobalNavy for more information. CONVENTIONAL METHODS: Brush and roller are suitable for "stripe-coat" and small areas, care should be taken in order to achieve the specified DFT. When applying on enclosed areas ensure a good ventilation.
APPLICATION CONDITIONS	The substrate temperature shall be 10°-50°C. The ambient temperature shall be >10°C .
APPLICATION DATA	GlobalDur GN107 Epoxy Laminate 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. Mix completely both quantities of component A and B packs.
MIX RATIO	3 / 1 (by Weight) 2.7 / 1 (by Volume)
HARDENER	H107EL
POT LIFE	20 minutes (23°C/73°F).
THINNER	NA
SOLVENT / CLEANER	GN003TH
DRY TIME	Surface dry: 8 hours at 23°C (73°F). Dry to recoat: Min: 16 hours at 23°C (73°F). Max: 7 days at 23°C (73°F).
THEORETICAL COVERAGE:	Mainly depends of the laminate/fibber-glass type and number of layers.
TYPICAL PAINT SYSTEM	• GlobalDur GN101EP 1x 150µm (dft) • GlobalDur GN107EL 2 x 400µm (dft)+Glassfiber • GlobalDur GN107EL 1 x Sealing 200µm (dft). Thickness depends on steel conditions. This is a system for fuel tank storage steel bottom. Please contact GlobalNavy for other applications.
STORAGE	4 years (storage on the original tightly closed containers in a dry, cool, well ventilated space, at temperatures between 5°C - 30°C).
PACKING	Two pack product, available in packs (A+B) 4 Kg and 20 Kg.
FURTHER INFORMATION	The conventional air spray is only possible with a much higher dilution ratio, so it only should be used on special applications - Please contact our GlobalNavy office.
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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