

GlobalDur GN131 Shop Primer



TECHNICAL DATA SHEET



Pre-construction Epoxy Shop Primer

PRODUCT DESCRIPTION	◆ GlobalDur GN131SP is an excellent pre-construction epoxy shop primer. ◆ GlobalDur GN131SP was designed for new building works where final coating system based on GlobalDur GN101EK / EP. ◆ GlobalDur GN131SP is based in the same technology of GlobalDur GN101 EK/EP products.	
PERFORMANCES	<ul style="list-style-type: none">• Fast drying and good adhesion;• Designed to be compatible with GN101EH/EP;• Can be used on automatic blasting and painting facilities;• Excellent protection on marine and industrial environment (minimum 6 months);• Maximization of cutting speed, no toxic fumes under flame cut, and minimization of heat affected areas;• Excellent resistance to mechanical damage during transport and handling of steel modules.	
RECOMMENDED USE	METALLIC STRUCTURES: The GN101EK/EP final system adhesion is maximized. After cutting and welding, surface preparation needs are decreased for the application of GN101EK/EP.	
APPROVALS	Complies with ISO 12944-5, as being suitable for coating systems until C5-M and Im3.	
COMPONENT A	COMPONENT B	COLOURS
GN131SP	H124SP	GN131SPG1024 (Ochre yellow), GN131SPG3009 (Red Iron Oxide).

Physical Properties

GLOSS	Matt.
SOLIDS BY VOLUME	25 ± 2 %.
VOC*	Max. > 340g/Lt
FLASH POINT	> 19°C (> 66°F) Setaflash
PHYSICAL PROPERTIES	Density: 1,1 g/cm ³

Application

SURFACE PREPARATION	Painting Direct to the Substrate: GlobalDur GN131SP is suitable for steel surfaces prepared by grit blasting, accordingly with the following standards: Grit Blasting: SA2.5 (ISSO 8501-1:1988). Abrasives of good quality should be use in order to assure the lowest surface contamination. Please contact GlobalNavy office in case of any doubt or for further information.
APPLICATION METHOD	SPRAY: Use air less spray. Use na equipment with a 130-160 bar outlet pressure. A 0,017" - 0,019" tip is recommended. On conventional air spray equipment, it is advisable to use a pressure vessel adding the less possible thinner. Continuous agitation should be done. CONVENTIONAL METHODS: Brush and roller are suitable only for touch up. When applying on enclosed areas

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ensure a good ventilation.

APPLICATION CONDITIONS The substrate temperature should be between 5°C (41°F) - 40°C(104°F) and at least 4°C(7°F) above the dew point of the air, measured in the vicinity of the surface. Assure a good ventilation in confined areas to ensure a proper drying. CONVENTIONAL METHODS: Brush and roller are suitable only for touch up.

APPLICATION DATA GlobalDur GN131 Shop Primer, is a two pack product, so the base and hardener must be mixed on the right ratio. First, mix well component A during 1 minute. After that, add all the hardener and stir very well until it get homogeneous. If necessary, for na application optimization adjustment, the product can be diluted until 10 % (v/v) with GN006TH. Mix completely both quantities of component A and B packs. Continuous low agitation is necessary during the application. Low temperature cause higher pot life, and higher temperatures decrease mixture pot life.

MIX RATIO 8,5 / 1 (by Weight) 6,3 / 1 (by Volume)

HARDENER H124SP

POT LIFE 24 hours (23°C).

THINNER GN046TH

SOLVENT / CLEANER GN006TH

DRY TIME Surface dry: 3 to 5 minutes at 23°C (73°F).
Dry to recoat: Min.: 6 hours at 23°C (73°F).
Max.: NA

THEORETICAL COVERAGE: 12,0 m2/Lt (488 Sq.ft/US gal) - Dry: 20 µm (1 mils) • Wet: 83 µm (3 mils)

TYPICAL PAINT SYSTEM

- GlobalDur GN131SP 1 x 20µm (DFT) (Blasting)
- GlobalDur GN101 EK/EP 2 x 150µm (DFT). This is a typical system for immersion conditions. 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) 5 L and 20 L.

FURTHER INFORMATION

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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