

Globalnyl GN521 Antifouling



TECHNICAL DATA SHEET

Vinyl Copolymer Self-polishing Organotin Free Antifouling

PRODUCT DESCRIPTION	◆ Globalnyl GN521AF is a organotin-free antifouling. ◆ Globalnyl GN521AF has a binder that dissolves in seawater at a rate permitting the continuous release of active constituents.	
PERFORMANCES	• Contains high levels of cuprous oxide; • Good performance when exposed to the atmosphere; • Provides long-life protection against fouling even under severe fouling conditions.	
RECOMMENDED USE	MARINE ANTIFOULING: As an antifouling for new buildings and major refurbishment, for hulls and flat bottom areas.	
APPROVALS	Complies with EU Directive 2010/42/EC: subcategory j (VOC< 500 g/l). Complies with ISO 12944-5, as being suitable for coating systems until Im3.	
COMPONENT A	COMPONENT B	COLOURS
GN521AF		GN521AFG9010 (Off White), GN521AFG3009 (Red Iron Oxide), GN521AFG9005 (Black) . For other colours, please contact GlobalNavy's office.

Physical Properties

GLOSS	Matte.
SOLIDS BY VOLUME	50 ± 2 %.
VOC*	<490 g/L (ASTM D2369-04).
FLASH POINT	> 14 °C (> 57 °F) Setaflash.
PHYSICAL PROPERTIES	Density: 1,35 g/cm ³

Application

SURFACE PREPARATION	All the surfaces have to be clean, dry and without contamination. The surface should be evaluated and treated accordingly with ISO8504.
APPLICATION METHOD	GlobalNavy GN521AF, can be applied by airless: Tip: 21 - 31 thou. Outlet Pressure: 160 - 200Kg/cm ² (2272 - 2857 psi).
APPLICATION CONDITIONS	The substrate temperature should be minimum 10°C (40°F) and at least 4°C(7°F) above the dew point of the air, measured in the vicinity of the surface.
APPLICATION DATA	Globalnyl GN521 Antifouling, is a single pack product. First, mix well during 1 minute. If necessary, for na application optimization adjustment, the product can be diluted until 10 % (v/v) with GN015TH.
MIX RATIO	

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HARDENER	
POT LIFE	
THINNER	GlobalThin GN015TH.
SOLVENT / CLEANER	GN015TH
DRY TIME	Surface dry: 10 minutes at 23°C (73°F) Dry to recoat: Min: 12 hours at 23°C (73°F) Max: There is no over coating time.
THEORETICAL COVERAGE:	4,5 m ² /Lt (183 Sq.ft/US gal) - Dry: 100 µm (4 mils) • Wet: 220 µm (9 mils)
TYPICAL PAINT SYSTEM	• GlobalDur GN101EK 2 x 150µm (DFT) • Globalnyl GN508VS 1 x 75µm (DFT) • Globalnyl GN521AF 1 x 100µm (DFT). This is a typical system for hulls on immersion conditions. Please contact GlobalNavy for other applications.
STORAGE	2 years (storage on the original tightly closed containers in a dry, cool, well ventilated space, at temperatures between 5°C - 30°C).
PACKING	Single pack product, available in packs 5 L and 20 L.
FURTHER INFORMATION	Film thickness is of major importance. Service life is a direct function of the dry film thickness. If exact colour matching is required, ensure that GN521AF 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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