

GlobalNyl GN501 Vinyl Primer



TECHNICAL DATA SHEET

Vinyl Paint High Build with Corrosion Inhibitor Pigments

PRODUCT DESCRIPTION	◆ GlobalNyl GN501VP is a one pack primer and finish paint, designed for application in different substrates, such as: -Steel; - Degreased aluminium; - Galvanized steel; - Polyester fibre glass; -Concrete. - GlobalNyl GN501VP, is extremely tough and durable and is also suitable for applications on new or refurbishing containers.	
PERFORMANCES	• Excellent abrasion resistance; • Excellent corrosion resistance; • Outstanding weathering properties; • Excellent flexibility; • Excellent substrate adhesion; • Outstanding salt water resistance; • Excellent impact resistance.	
RECOMMENDED USE	STEEL: Containers, Doors, Metallic structures, etc. ALUMINIUM: Windows, Furniture's, metallic structures, etc. GALVANISED STEEL: Street lamps, roofs, etc. POLYESTER FIBER GLASS: Swimming pools and artificial lakes; fish boats, etc.. CONCRETE: Swimming pools and artificial lakes; concrete structures and walls; tile roofs and concrete fiber tiles, etc...	
APPROVALS	Complies with EU Directive 2010/42/EC: subcategory i (VOC< 500 g/l). Complies with ISO 12944-5, as being suitable for coating systems until C4.	
COMPONENT A	COMPONENT B	COLOURS
GN501VP	NA	GN501VPG9003 (white), GN501VPG9005 (Black), GN501VPR6005 (green RAL6005). For other colours, please contact GlobalNavy's office.

Physical Properties

GLOSS	Glossy.
SOLIDS BY VOLUME	40 ± 2 %.
VOC*	> 340 grams/L.

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FLASH POINT	> 23°C (> 73°F) Setaflash.
PHYSICAL PROPERTIES	Density: 1,2 g/cm ³
Application	
SURFACE PREPARATION	GlobalNyl GN501VP is suitable for surfaces prepared by hydroblasting, grit blasting (dry or wet) and mechanical, accordingly with the following standards: Grit Blasting: SA2 (ISO 8501-1:1988) Hydroblasting: Wj2-M (SSPC SP12 – VIS4(I) / NACE N°5- N°7) Mechanical Means: St3 (ISO 8501-1:1988) Apart from the surface preparation method, the rust tolerance of GlobalNyl GN501VP allow the surface to be washed with tap water before painting, ensuring a final lower salts level. By this way, it is possible to achieve a non visual standard SC2 (NACE 5 / SSPC-SP12). The rust tolerance of GlobalNyl GN501VP allow a painting with a flash rust until M degree (standard SSPC VIS4(I) / NACE N°7). The anti corrosive performance over an ST3 surface, followed by degreasing and surface wash is however not so good as the other surface preparation methods. Over coated surfaces, be sure of the old coating conditions (no coating defects and corrosion- in "sound conditions") and the compatibility with the GlobalNyl GN501VP. For galvanized and fiber glass the surface should be evaluated and treated accordingly with ISO8504. Coated Surface: Clean, undamaged and dry compatible system. Other Surfaces: Check the suitability of GN501VP, following its Technical Data Sheet. Please contact GlobalNavy office in case of any doubt or for further information.
APPLICATION METHOD	SPRAY: Conventional air spray: equipment- gun HVLP Ø1,5-1,8mm and 0,7bar or High Transfer Gun Ø1,5-1,8mm it is advisable to use a pressure vessel with 2-2,4 bar inlet pressure, adding the less possible thinner. Apply 2 - 3 coats, allowing 5 minutes (at 23° C) flash time between coats. Air-less: Use air-less spray equipment with a compressing 45:1 ratio. A 0,12 to 0,17 tip size, is recommended. 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 dft specified. When applying on enclosed areas ensure a good ventilation.
APPLICATION CONDITIONS	The substrate temperature should be minimum 10°C (50°F) and at least 4°C (7°F) above the dew point of the air, measured in the vicinity of the surface. The moisture should be <85%. Assure a good ventilation with dry air in confined areas.
APPLICATION DATA	GlobalNyl GN501 Vinyl Primer is a single pack product. Stir very well until it get homogeneous. If necessary, for an application optimization adjustment, the product can be diluted until 5 % (v/v) with GN001TH.
MIX RATIO	NA
HARDENER	NA
POT LIFE	NA
THINNER	GN001TH
SOLVENT / CLEANER	GN077TH/GN001TH.
DRY TIME	Surface dry: approx. 20 min. at 23°C (73°F) and 50% relative humidity.

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Overcoating: 8 hours at 23°C (73°F).

THEORETICAL COVERAGE:	8,0 Sq.m/L (310 Sq.ft/US gal.) Dry: 50 microns DFT (2 mils) • Wet: 125 microns (5 mils)
TYPICAL PAINT SYSTEM	• GlobalNyl GN501VP 2 x 50µm (DFT). This is a typical system for concrete or fiberglass on non 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	One pack product, available in 1 L, 5 L and 20L.
FURTHER INFORMATION	If exact colour matching is required, ensure that GN501VP 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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