

GlobalKyd GN340 Alkyd Paint FD



TECHNICAL DATA SHEET



Fast Drying Alkyd Finish

PRODUCT DESCRIPTION	<ul style="list-style-type: none">◆ GlobalKyd GN340AP is a one pack primer and finish paint, designed for DTM application in carbon steel substrates and general maintenance.◆ GlobalKyd GN340AP has an high gloss finish and durable and is also suitable for applications DIY.		
PERFORMANCES	<ul style="list-style-type: none">• Good corrosion resistance for C1, C2 and C3 environments;• Good weathering properties;• Excellent flexibility;• Good substrate adhesion;• Good impact resistance.		
RECOMMENDED USE	STEEL: New and maintenance of doors, metallic structures, ship accommodation, 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	
GN340AP	NA	GN340APG9003 (white), GN340APG9005 (Black). For other colours, please contact GlobalNavy's office.	

Physical Properties

GLOSS	Glossy.
SOLIDS BY VOLUME	40 ± 2 %.
VOC*	< 500 grams/L.
FLASH POINT	> 25°C (> 77°F) Setaflash.
PHYSICAL PROPERTIES	Density: 1,2 g/cm ³

Application

SURFACE PREPARATION	<p>GlobalKyd GN340AP is suitable for surfaces primed or DTM prepared by dry grit blasting and mechanical, accordingly with the following standards:</p> <p>Grit Blasting: SA2 (ISO 8501-1:1988)</p> <p>Mechanical Means: St3 (ISO 8501-1:1988)</p> <p>The anti corrosive performance over an ST3 surface, followed by degreasing and surface cleaning with thinner 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 GlobalKyd GN340AP.</p> <p>Coated Surface: For application over a primed or painting surface, evaluate and treat accordingly with ISO8504. Clean, undamaged and dry compatible system.</p> <p>Other Surfaces: Check the suitability of GN340AP, following its Technical Data</p>
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Sheet. Please contact GlobalNavy office in case of any doubt or for further information.

APPLICATION METHOD	<p>SPRAY:</p> <p>Conventional air spray: equipment- gun HVLP Φ1,5-1,8mm and 0,7bar or High Transfer Gun Φ1,5-1,8mm 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.</p> <p>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.</p>
APPLICATION CONDITIONS	The substrate temperature should be minimum 15°C (60°F), maximum 40°C 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	GlobalKyd GN340 Alkyd Paint 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	<p>Surface dry: 30 minutes at 23°C (73°F) and 50% relative humidity.</p> <p>Overcoating: 24 hours at 23°C (73°F).</p>
THEORETICAL COVERAGE	8 Sq.m/L (310 Sq.ft/US gal.) Dry: 50 microns DFT (2 mils) • Wet: 125 microns (5 mils)
TYPICAL PAINT SYSTEM	<p>• GlobalKyd GN330AP 1 x 50µm (dft) • GlobalKyd GN340AP 1 x 50µm(dft). This is a typical system for DTM conditions. Please contact GlobalNavy for other applications.</p>
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 5 L and 20L.
FURTHER INFORMATION	If exact colour matching is required, ensure that GN340AP 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

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content can be changed without notice.

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GN330AP+ GN340AP - Additional Information**CURING TIME TABLE**

GN330AP			10°C	15°C	20°C	25°C	30°C
Dry to touch (Max.)			90 minutes	60 minutes	40 minutes	25 minutes	20 minutes
Dry Through			5 hours	3 hours	2 hours	105 minutes	90 minutes
Dry to handle			9 hours	7 hours	6 hours	5,5 hours	5 hours
Recoating period	Min.		48 h	30 h	24 h	24 h	20 h
	Max.		-	-	-	-	-

GN340AP			10°C	15°C	20°C	25°C	30°C
Dry to touch (Max.)			90 minutes	60 minutes	35 minutes	25 minutes	20 minutes
Dry Through			30 minutes	20 minutes	15 minutes	12 minutes	10 minutes
Dry to handle			9 hours	7 hours	6 hours	5,5 hours	5 hours
Recoating period	Min.		48 h	30 h	24 h	24 h	20 h
	Max.		-	-	-	-	-

PHYSICAL PROPERTIES - Globalnavy R&D Laboratory

Abrasion Strength (ASTM D4060)	55 mg (1000 cycles / 1000 g / CS10)
Elasticity Modulus (ISO/R 527)	100,000 KgF/cm ²
Salt spray resistance (ASTM B117)	Without defects - 720 hours
Humidity (ASTM D2247)	Without defects
Condensation Resistance (ASTM D4585)	720 hours – Without defects
Exterior Exposure (ASTM D1014)	2 years- Chalking (ASTM D659): rating 1
QUV (Using A340 & B313 bulbs)	720 hours – Chalking (ASTM D659): rating 1
Adhesion- Tape test (ISO 2409)	Rating - 1 (max)
Deformation/Impact test (ASTM D2794)	1.0 Kgf.m (10 Joules)
Flexibility - Mandrel (ASTM D522)	Without defects