

GlobalThane GN226 Polyaspartic Coating



TECHNICAL DATA SHEET



Hybrid Polyaspartic Fast Curing Weather Fastness

PRODUCT DESCRIPTION	◆ GlobalThane GN226UC is a Polyaspartic Hybrid/Polyurethane coating UltraHigh Solids that reacts with H226UC and humidity forming a finish coat with high elasticity and weather resistance.	
PERFORMANCES	<ul style="list-style-type: none">• Excellent UV and weathering resistance;• Easy application on steel and concrete;• Fast curing even at low temperatures by adding the accelerator GN200CA.• Excellent flexibility;• Excellent anticorrosive properties;• Good adhesion and wetting properties.	
RECOMMENDED USE	<ul style="list-style-type: none">• Road lining;• Steel or concrete structures, pipelines and equipment.• Industrial floorings.	
APPROVALS	Complies with EU Directive 2010/42/EC: subcategory k (VOC < 100 g/l).	
COMPONENT A	COMPONENT B	COLOURS
GN226UC	H226UC	GN226UCG9003 (White), GN226UC9005 (Black). For other colours, like RAL colours, please contact GlobalNavy's office.

Physical Properties

GLOSS	Glossy
SOLIDS BY VOLUME	90% (theoretical).
VOC*	< 100 g/L.
FLASH POINT	> 100°C (> 212°F) Setaflash.
PHYSICAL PROPERTIES	Density: 1,2 g/cm ³ Hardness Shore A: 80 (ISO 868) Elongation at Break: >50 % (ASTM D412) Tensile Strength: >6.0 Mpa/870 Psi (ASTM D412) UV Resistance: >3000 Hours (ASTM G53)

Application

SURFACE PREPARATION	All the surfaces have to be clean and without contamination. The surface should be evaluated and treated accordingly with ISO8504. Coated Surface: Clean, undamaged and dry compatible primer. Contact GlobalNavy office for more information. Other Surfaces: Check the suitability of GN226UC, apply a suitable primer following its Technical Data Sheet and then apply the GN226UC. Contact GlobalNavy office for further information.
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APPLICATION METHOD	GlobalThane GN226UC can be applied by squeegee, roller, brush and spray. For further information see "GN226UC Application Bulletin".
APPLICATION CONDITIONS	The substrate temperature should be minimum 10°C (32°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	GlobalThane GN226UC Urethane Coating is a two pack product, so the base and hardener must be mixed on the right ratio. Start mixing well component A and without stopping all the hardener and stir very well until it get homogeneous. If necessary, for an application optimization adjustment, the product can be diluted until 10 % (v/v) with GN071TH. Mix completely both quantities of component A and B packs. Low temperature cause higher pot life, and higher temperatures decrease mixture pot life.
MIX RATIO	4 / 1 (by weight) 3 / 1 (by volume)
HARDENER	H226UC
POT LIFE	1 hour (Adding of GN200CA Accelerator reduces the pot life).
THINNER	GN007TH.
SOLVENT / CLEANER	GN007TH/GN010TH.
DRY TIME	Surface dry/hard: approx. 1 hours at 23°C (73°F) and 50% relative humidity. Overcoating: Depends on temperature and humidity, but normally 2 hours at 23°C (73°F).
THEORETICAL COVERAGE	4 m ² /L (250 µm WFT/225 µmDFT).
TYPICAL PAINT SYSTEM	• GlobalThane GN101LCEP 1 x 125 µm • Global GN226UC 1 x 225 µm DFT This is a typical system for non immersion conditions. Please contact GlobalNavy for other applications.
STORAGE	2 year (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 20L.
FURTHER INFORMATION	For faster curing, it might be added until 1% of GN200CA, lowering the surface drying to 50% (depending on the temperatures). If exact colour matching is required, ensure that GN226UC 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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