

GlobalThane GN221 Urethane Coating



PERFORMANCE IN COATINGS

TECHNICAL DATA SHEET

Polymer of Polyurea High elasticity and Chemical Resistance

PRODUCT DESCRIPTION	◆ GlobalThane GN221UC is an excellent urethane coating 100%solids that reacts with H221UC and humidity forming a finish coat with high elasticity and chemical resistance.	
PERFORMANCES	<ul style="list-style-type: none">• Excellent sealer even with humidity on the surface;• Excellent chemical resistance;• Fast curing.	
RECOMMENDED USE	<ul style="list-style-type: none">• Solvent free;• Application with no humidity restriction;• Excellent flexibility;• Excellent anticorrosive properties;• Easy application and long pot-life;• Good adhesion and wetting properties.	
APPROVALS	Complies with EU Directive 2010/42/EC: subcategory j (VOC < 500 g/l).	
COMPONENT A	COMPONENT B	COLOURS
GN221UC	H221UC	GN221UCG9003 (White), GN221UC9005 (Black). For other colours, like RAL colours, please contact GlobalNavy's office.

Physical Properties

GLOSS	Glossy
SOLIDS BY VOLUME	100% (theoretical).
VOC*	< 50 g/L.
FLASH POINT	> 100°C (> 212°F) Setflash.
PERFORMANCE	

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 GN221UC, apply a suitable primer following its Technical Data Sheet and then apply the GN221UC. Contact GlobalNavy office for further information.
APPLICATION METHOD	GlobalThane GN221UC can be applied by squeegee, roller, brush. Cracks should be clean and grinded before application. For further information see "GN221UC 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

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good ventilation with dry air in confined areas.

APPLICATION DATA	GlobalThane GN221UC 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 stoping 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 GN006TH. 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	1,8 / 1 (by weight) 3 / 1 (by volume)
HARDENER	H221UC
POT LIFE	1 hour.
THINNER	GN071TH.
SOLVENT / CLEANER	GN077TH/GN071TH.
DRY TIME	Surface dry: approx. 2 hours at 23°C (73°F) and 50% relative humidity. Overcoating: Depends on temperature and humidity, but normally 6 hours at 23°C (73°F).
THEORETICAL COVERAGE	2 m2/Kg - 0,5 Kg WFT (400 µm WFT).
TYPICAL PAINT SYSTEM	• GlobalThane GN120ER 1 x 0,3 Kg • Global GN221UC 1 x 0.5Kg • Global GN204PF 1 x 50 µm. This is a typical system for non immersion conditions. Please contact GlobalNavy for other applications.
STORAGE	1 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 Kg and 20Kg.
FURTHER INFORMATION	Need humidity in order to cure completely. If exact colour matching is required, ensure that GN221UC 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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