

GlobalThane GN220 Urea Sealer



PERFORMANCE IN COATINGS

TECHNICAL DATA SHEET

PoliUrea Sealer High Elasticity

PRODUCT DESCRIPTION	◆ GlobalThane GN220US is an excellent poliurea sealer 100%solids that self reacts forming a sealer or finish coating with high elasticity and chemical resistance. ◆ GlobalThane GN220US is an excellent mastic sealer for joints with high elasticity and adhesion when mixed until 1:2 with cement (depending on the cement - previous tests should be made).	
PERFORMANCES	<ul style="list-style-type: none">• Excellent one-pack sealer;• Excellent flexibility even during ageing;• Excellent chemical resistance to solvents;• Good UV resistance.	
RECOMMENDED USE	<ul style="list-style-type: none">• Solvent free.• Application with no humidity restriction.• Excellent flexibility even when mixed with cement 1:1 or 1:2 or 10%-20% of GNAD926, depending on the rheology required, depending if it is for horizontal or vertical application joints.• Easy application and long pot-life.• Good adhesion and wetting properties.	
APPROVALS	Complies with EU Directive 2010/42/EC: subcategory i (VOC < 500 g/l).	
COMPONENT A	COMPONENT B	COLOURS
GN220US	-	GN220USG0000 (Colourless). The cement colour will give the final colour. For other colours, please contact GlobalNavy's office.

Physical Properties

GLOSS	Glossy.
SOLIDS BY VOLUME	100% (theoretical).
VOC*	< 20 g/L.
FLASH POINT	N.A.
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 GN220US, apply a suitable primer following its Technical Data Sheet and then apply the GN220US. For concrete joints it is not necessary any primer. Contact GlobalNavy office for further information.
APPLICATION METHOD	GlobalThane GN220US can be applied by squeegee, roller, brush or injection pump equipment.

ISSUED	Edition 03 / Mod.10 - 21/05/2018
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Cracks should be clean and grinded before application.

APPLICATION CONDITIONS	The substrate temperature should be minimum 10°C (32°F) measured in the vicinity of the surface. Assure a good ventilation with dry air in confined areas.
APPLICATION DATA	GlobalThane GN220US Urea Sealer is a one pack product, so mix well the base. In case of mixing 2 parts of gGN220US with 1 part of cement (by weight), start mixing the base and add slowly the cement, then keep stirring for 3 minutes. Do not thin.
MIX RATIO	N.A.
HARDENER	-
POT LIFE	N.A.
THINNER	-
SOLVENT / CLEANER	GN001TH/GN077TH/GN010TH.
DRY TIME	Surface dry: approx. 8 hours at 23°C (73°F) and 50% relative humidity. Overcoating: Depends on temperature and humidity, but normally 24 hours at 23°C (73°F).
THEORETICAL COVERAGE	N.A.
TYPICAL PAINT SYSTEM	• Global GN220US (1 x Part + 1x Part Cement) Kg • Global GN204PF 1 x 50 µm. This is a typical system for concrete joints that depends from cement composition and humidity, preliminary tests should be done in order to evaluate the rheology required. 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 10°C - 25°C).
PACKING	One pack product available in pack 5 Kg and 25Kg.
FURTHER INFORMATION	Need humidity >10% in order to cure completely. Whith higher ratios of cement or GNAD926, less flexibility is achieved on final coating.
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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