

# GlobalThane GN220 Urethane Sealer



## TECHNICAL DATA SHEET



### PoliUrea Sealer High Elasticity

PRODUCT DESCRIPTION	<ul style="list-style-type: none"><li>◆ GlobalThane GN220US is an excellent poliurea sealer 100% solids that self reacts forming a sealer or finish coating with high elasticity and chemical resistance.</li><li>◆ 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).</li></ul>		
PERFORMANCES	<ul style="list-style-type: none"><li>• Excellent one-pack sealer;</li><li>• Excellent flexibility even during ageing;</li><li>• Excellent chemical resistance to solvents;</li><li>• Good UV resistance.</li><li>• Can be pour into expansion joints, even when it is mix with 1:2 with cement.</li></ul>		
RECOMMENDED USE	WATERPROOFING JOINTS OVER STEEL MARINE: Cabins, decks, bathrooms, kitchens, etc.. JOINTS ON CONCRETE PROTECTIVE: Infrastructures, waste water tanks, water parks, etc.. FLOORING: Balcony, terrace, exterior and interior car parking, etc.. WATERPROOFING OVER OTHER SUBSTRATES Recommended for application on Aluminium, Wood and Fiberglass, when properly primed.		
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.
PHYSICAL PROPERTIES	Density: 1,1 g/cm <sup>3</sup> Maximum Elasticity: >30% (ASTM C920)

### 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
---------------------	--

# GlobalThane GN220 Urethane Sealer



Data Sheet (on steel apply GN101LC) and then apply the GN220US. For concrete joints although it is not necessary any primer, the proper primer gives a higher adhesion. Contact GlobalNavy office for further information.

<b>APPLICATION METHOD</b>	GlobalThane GN220US can be applied by squeegee, roller, brush or injection pump equipment. Cracks should be clean and grinded before application.
<b>APPLICATION CONDITIONS</b>	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.
<b>APPLICATION DATA</b>	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.
<b>MIX RATIO</b>	N.A.
<b>HARDENER</b>	-
<b>POT LIFE</b>	N.A.
<b>THINNER</b>	-
<b>SOLVENT / CLEANER</b>	GN001TH/GN077TH/GN010TH.
<b>DRY TIME</b>	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).
<b>THEORETICAL COVERAGE</b>	N.A.
<b>TYPICAL PAINT SYSTEM</b>	• 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.
<b>STORAGE</b>	1 year (storage on the original tightly closed containers in a dry, cool, well ventilated space, at temperatures between 10°C - 25°C).
<b>PACKING</b>	One pack product available in pack 5 Kg and 25Kg.
<b>FURTHER INFORMATION</b>	Need humidity >10% in order to cure completely. With higher ratios of cement or GNAD926, less flexibility is achieved on final coating.
<b>HEALTH SAFETY</b>	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 value 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.

Parque Industrial de Carrascas, Estrada Nacional 252, 2950-402 Palmela PORTUGAL  
 ♦ Tel.: +351 265107979 ♦ www.globalnavy.net ♦ email: sales@globalnavy.net