

GlobalThane GN208 Polyurethane Varnish



TECHNICAL DATA SHEET

Professional Polyurethane Varnish High Weather and Abrasion Resistance LC

PRODUCT DESCRIPTION	◆ GlobalThane GN208PV is an excellent professional high performance 2-K polyurethane varnish. ◆ GlobalThane GN208PV is design to have high abrasion and chemical resistance for flooring and wall systems. ◆ GlobalThane GN208PV can be applied on wood (as primer and finish) and in others substrates like steel, concrete, GRP over a suitable primer.	
PERFORMANCES	<ul style="list-style-type: none">• High retention gloss;• Excellent application properties (tunning with its thinner GN001TH);• Excellent weathering, chemical and abrasion resistance;• Excellent flexibility.	
RECOMMENDED USE	Interior and exterior flooring systems as a finish coat, where an excelent and a durable aesthetic effect is required. <ul style="list-style-type: none">• Finish clear coat over 100% solids epoxy mortar flooring systems.• Finish clear coat on industrial flooring systems on forklifters charging spots.• Wood protection on yatch and house decorative finishes.	
APPROVALS	Reaction to Fire: C fl-S1 (EN 13501-2) (full GlobalFloor coating system) (LNEC-EM/URF) Complies with EU Directive 2010/42/EC: subcategory j (VOC< 500 g/l).	
COMPONENT A	COMPONENT B	COLOURS
GN208PVGLC(Glossy)/GN	H200P	G0000 (Clear).

Physical Properties

GLOSS	GN208PVGLC(Glossy) GN208PVSLC(Satin) GN208PVMLC(Mate)
SOLIDS BY VOLUME	50 ± 2 %(Volume).
VOC*	< 490g/L.
FLASH POINT	> 24°C (>75°F) Setaflash
PHYSICAL PROPERTIES	Density: 1,0 g/cm ³

Application

SURFACE PREPARATION	All the surfaces have to be clean, dry 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.
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Other Surfaces: Check the suitability of GN208PV, apply a suitable primer following its Technical Data Sheet and then apply the GN208PV. Contact GlobalNavy office for further information.

APPLICATION METHOD	<p>SPRAY: Use air less spray. Use an equipment with a 80-140 bar outlet pressure. A 0,012" - 0,017" tip is recommended. On conventional air spray equipment, it is advisable to use a pressure vessel adding the less possible thinner.</p> <p>CONVENTIONAL METHODS: Brush and roller are suitable for "stripe-coat", small areas, flors and areas that has to, care should be taken in order to achieve the specified DFT. When applying on enclosed areas ensure a good ventilation with dehumidified air.</p>
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 GN208 Polyurethane Varnish, is a two pack product, so the base and hardener must be mixed on the right ratio. First, mix well component A during 1 minute. After that, add 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 GN001TH. 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	3 / 1 (by Weight) 3 / 1 (by Volume)
HARDENER	H200P
POT LIFE	8 hours at 23°C (73°F).
THINNER	GlobalThin GN001TH/GN010TH.
SOLVENT / CLEANER	GN077TH/GN010TH
DRY TIME	Surface dry: approx. 3 hours (at 23°C (73°F) and 50% relative humidity). Overcoating: 12 hours at 23°C (73°F).
THEORETICAL COVERAGE	10,0 m2/Lt (407 Sq.ft/US gal) Dry: 50 µm (2 mils) • Wet: 100 µm (4mils).
TYPICAL PAINT SYSTEM	<ul style="list-style-type: none"> • GlobalDur GN120ER 1 x 300g (DFT) + GlobalThane GN208PV 1 x 100g (WFT) This is a typical system for flooring clear system. • GlobalThane GN208PV 3 x 100g (WFT). This is a typical system for wood flooring system. Please contact GlobalNavy for other applications.
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	Two pack product, available in packs (A+B) 1 L, 5 L and 20 L.
FURTHER INFORMATION	For the safety of the applicator and the good performance, ventilation should be provided to all portions of the enclosed area. Dry air IS VERY IMPORTANT. Product CAN NOT be applied with humidity over 85%.
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

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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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