

GlobalThane GN230 Polyurethane Primer



TECHNICAL DATA SHEET

High Solids Polyurethane Primer

PRODUCT DESCRIPTION	<ul style="list-style-type: none">◆ GlobalThane GN230PP is an excellent high solids two pack polyurethane primer.◆ GlobalThane GN230PP is an excellent polyurethane primer for automotive refinish, steel and wood.	
PERFORMANCES	<ul style="list-style-type: none">• Excellent covering properties and easy sanding;• Easy to apply, fast drying and sanding;• High Solids;• Good edge retention.	
RECOMMENDED USE	PRIMER OVER STEEL AND WOOD PROTECTIVE: Bridges, machinery, railroad cars, metallic structures, wood structures.	
APPROVALS	Complies with EU Directive 2010/42/EC: subcategory A/j (VOC < 500 g/l) and subcategory B/c (VOC < 540 g/l).	
COMPONENT A	COMPONENT B	COLOURS
GN230PP	H230PP	GN230PPG9003 (Off-White). For other colours, please contact GlobalNavy's office.

Physical Properties

GLOSS	Matte.
SOLIDS BY VOLUME	60 % (theoretical) ± 2 %
VOC*	Max. 450g/Lt
FLASH POINT	> -4°C (> 50°F) Setaflash
PHYSICAL PROPERTIES	Density: 1,3 g/cm ³

Application

SURFACE PREPARATION	Painting Direct to the Substrate: GlobalThane GN230PP is suitable for steel surfaces prepared by grit blasting, accordingly with the following standards: Grit Blasting: SA2.5 (ISSO 8501-1:1988). Abrasives of good quality should be used in order to assure the lowest surface contamination. GlobalThane GN230PP is suitable for wood prepared by proper blasting, sanding, etc. Please contact GlobalNavy office in case of any doubt or for further information.
APPLICATION METHOD	SPRAY: On air less spray, use an equipment with a 170-200 bar outlet pressure. A 0,012" - 0,017" tip is recommended. On conventional air spray equipment, gun HVLP Φ1,5-1,8mm and 0,7bar or High Transfer Gun Φ1,5-1,8mm it is advisable to use a pressure vessel with 2-2,4 bar inlet pressure, adding the less possible thinner. Apply 2 - 3 coats, allowing 5 minutes (at 20° C) flash time between coats.

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CONVENTIONAL METHODS: Brush and roller are suitable for "stripe-coat" and small areas, care should be taken in order to achieve the specified DFT. When applying on enclosed areas ensure a good ventilation with dehumidified air.

APPLICATION CONDITIONS	The substrate temperature should be minimum 5°C (32°F) and at least 4°C (39°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	Global GN230 Polyurethane Primer 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	5.4 / 1 (by Weight) 4.0 / 1 (by Volume)
HARDENER	H230PP
POT LIFE	2 hours (23°C/73°F). The temperature and the use of the accelerator GN200CA lower the pot life.
THINNER	GN001TH/GN010TH. Accelerator thinner GN200CATH.
SOLVENT / CLEANER	GN001TH/GN010TH
DRY TIME	At 23°C (73°F) Surface dry: 15 minutes; Sandable/Dry to recoat- 45 minutes With 5% (V/V) of Accelerated Thinner Surface dry: 10 minutes; Sandable/Dry to recoat- 30 minutes At 30°C (86°F) Surface dry- 10 minutes; Sandable/Dry to recoat- 30 minutes. With 5% (V/V) of Accelerator Thinner Surface dry: 8 minutes; Sandable/Dry to recoat- 25 minutes The use of the accelerator thinner should be carefully done accordingly with the temperature, because an higher % means a lower paint pot life.
THEORETICAL COVERAGE:	10 m ² /Lt (407 Sq.ft/US gal) - Dft: 60 µm (2,5 mils) • Wet: 100 µm (4 mils)
TYPICAL PAINT SYSTEM	• GlobalDur GN230PP 2 x 60µm (DFT) • GlobalThane GN206LCPF 1 x 50µm (DFT). This is a typical coating system for structures conditions. Please contact GlobalNavy for other applications.
STORAGE	2 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) 5 L and 20 L.
FURTHER INFORMATION	The ventilation should be done with dehumidified air.
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

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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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