

GlobalThane GN250 Polyurethane



PERFORMANCE IN COATINGS

TECHNICAL DATA SHEET

Polyurethane Water based Gloss Finish

PRODUCT DESCRIPTION	<ul style="list-style-type: none">◆ GlobalThane GN250PW is a water based paint with high gloss and performance polyurethane coating finish.◆ GlobalThane GN250PW can be applied on wood, flooring, steel and in others substrates over a suitable primer.
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PERFORMANCES	<ul style="list-style-type: none">• Minimum solvent smell during application and drying, due to the VOC low level.• High gloss;• Gloss retention;• Excellent application properties;• Good chemical resistance;• Excellent abrasion resistance;• Excellent flexibility.
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RECOMMENDED USE	<p>Interior and exterior flooring systems as a coloured glossy finish coat, where an excellent and a durable aesthetic effect is required with no solvent smell during application and drying.</p> <ul style="list-style-type: none">• Coloured finish coating finish on hospitals, kitchens, malls, and industrial flooring systems.• Wood protection with a coloured gloss finish in house and industrial environments.
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APPROVALS	Complies with EU Directive 2010/42/EC: subcategory j (VOC < 140 g/l).
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COMPONENT A	COMPONENT B	COLOURS
GN250PW	H250P	GN250PWG9003 (White), GN250PWG9005 (Black). For other colours, like RAL colours, please contact GlobalNavy office.

Physical Properties

GLOSS	Glossy.
SOLIDS BY VOLUME	48 ± 2 %.
VOC*	< 140g/L.
FLASH POINT	> 200°C (> 392 °F) Setaflash.

PERFORMANCE

Application

SURFACE PREPARATION	<p>All the surfaces have to be clean, dry and without contamination. The surface should be evaluated and treated accordingly with ISO8504.</p> <p>Coated Surface: Clean, undamaged and dry compatible primer. Contact GlobalNavy office for more information.</p> <p>Other Surfaces: Check the suitability of GN250PF, apply a suitable primer following its Technical Data Sheet and then apply the GN250PF. Contact GlobalNavy office for further information.</p>
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APPLICATION METHOD	SPRAY: Use air less spray. Use na equipment with a 100-140 bar outlet pressure. A 0,012" -
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ISSUED	Edition 03 / Mod.10 - 21/05/2018
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0,017" tip is recommended. On conventional air spray equipment, it is advisable to use a pressure vessel adding the less possible thinner.
 CONVENTIONAL METHODS: Brush and roller are suitable for "stripe-coat", small areas and floorings, 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 (7°F) above the dew point of the air, measured in the vicinity of the surface. The moisture should be < 65%. Assure a good ventilation with dry air in confined areas.
APPLICATION DATA	GlobalThane GN250 Polyurethane Waterbased paint is a two pack product, so the base and hardener must be mixed on the right ratio. Use na electrical mixer- DO NOT MIX BY HAND. First, mix well component A during 1 minute. After that, keep mixing and add the hardener stirring very well until it get homogeneous. If necessary, for na application optimization adjustment or better levelling, the product can be diluted until 5 % (v/v) with GN250TH. 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 / 1 (by Weight) 4 / 1 (by Volume)
HARDENER	H250P
POT LIFE	2 hours at 23°C (73°F).
THINNER	GlobalThin GN250TH.
SOLVENT / CLEANER	GN250TH
DRY TIME	Surface dry: approx. 8 hours (at 23°C (73°F) and 50% relative humidity). Overcoating: 16 hours at 23°C (73°F).
THEORETICAL COVERAGE	10,0 m2/Lt (407 Sq.ft/US gal) Dry: 48 µm (2 mils) • Wet: 100 µm (4mils).
TYPICAL PAINT SYSTEM	<ul style="list-style-type: none"> • GlobalThane GN250PW 2 x 48µm (DFT) for wood systems (DFT) or • GlobalThane GN250PW 1 x 50µm (DFT) as a sealer for epoxy mortars or self levelling coating systems. Please contact GlobalNavy for other applications. If exact colour matching is required, ensure that GN250PW in each area is applied from the same control batch numbers.
STORAGE	2 years (storage on the original tightly closed containers in a dry, cool, well ventilated space, at temperatures between 5°C - 40°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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