

# GlobalTemp GN005 High Temperature



PERFORMANCE IN COATINGS

## TECHNICAL DATA SHEET

### Heat resistant Paint for Application on Operation

<b>PRODUCT DESCRIPTION</b>	◆ GlobalTemp GN005HT is formulated and developed to be applied on steel surfaces exposed to high temperature, until 500°C.
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<b>PERFORMANCES</b>	<ul style="list-style-type: none"><li>• Excellent heat resistant;</li><li>• Excellent atmospheric exposure resistance to most chemicals and both fresh and salt water;</li><li>• Excellent weathering properties.</li><li>• Excellent gloss retention;</li><li>• Temperature resistance up to 500°C (932°F);</li><li>• Excellent application properties.</li></ul>
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<b>RECOMMENDED USE</b>	STEEL SURFACES SUCH AS: <ul style="list-style-type: none"><li>- Exhaust pipes, Manifolds,</li><li>- Engine parts, Boiler casings.</li><li>- As an exterior silicone aluminium finish.</li><li>- Radiators, Heat exchangers</li></ul>
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<b>APPROVALS</b>	Complies with EU Directive 2010/42/EC: subcategory j (VOC < 500 g/l).
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<b>COMPONENT A</b>	<b>COMPONENT B</b>	<b>COLOURS</b>
GN005HT	Na	GN005HTG9011 (Aluminium), GN005HTG9003 (Black).

### Physical Properties

<b>GLOSS</b>	Semi gloss.
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<b>SOLIDS BY VOLUME</b>	35 ± 2 %.
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<b>VOC*</b>	> 340 grams/L
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<b>FLASH POINT</b>	> 26°C (79°F) Setaflash.
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<b>PERFORMANCE</b>	
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### Application

<b>SURFACE PREPARATION</b>	GlobalTemp GN005HT is developed for application directly to iron/steel surfaces pre-treated by Blast cleaning to Sa 1 of the Swedish Standard SIS 055900. All surfaces must be free of oil, grease, moisture and other foreign matter prior to blasting.
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<b>APPLICATION METHOD</b>	SPRAY: Use air less spray. Use na equipment with a compressing of 170-200 bar outlet pressure. A 15" or 18" tip is recommended. Conventional spray equipment only on special application conditions- contact GlobalNavy for more information. CONVENTIONAL METHODS: Brush and
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<b>ISSUED</b>	Edition 03 / Mod.10 - 21/05/2018
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roller are suitable for "stripe-coat" and small areas, care should be taken in order to achieve the dft specified. When applying on enclosed areas ensure a good ventilation.

<b>APPLICATION CONDITIONS</b>	The substrate temperature should be minimum 20°C (50°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.
<b>APPLICATION DATA</b>	GlobalTemp GN005 High Temperature is a single pack product. Only if necessary, for an application optimization adjustment, the product can be diluted until 5 % (v/v) with GN005TH.
<b>MIX RATIO</b>	NA
<b>HARDENER</b>	NA
<b>POT LIFE</b>	NA
<b>THINNER</b>	GN005TH
<b>SOLVENT / CLEANER</b>	GN001TH
<b>DRY TIME</b>	Surface Dry: 1 minute at 200°C (392°F) and 50% relative humidity. Overcoating: 10 minutes at 200°C (392°F).
<b>THEORETICAL COVERAGE</b>	10 Sq.m/Lt (406 Sq.ft/US gal.) Dry: 35 microns (1,5 mils) • Wet: 100 microns (4 mils).
<b>TYPICAL PAINT SYSTEM</b>	• GlobalTemp GN005HTG9003 1 x 35µm (DFT) • GlobalTemp GN005HTG9011 1 x 35µm (DFT). This paint system is suitable for temperatures bellow 240°C (464°F). Please contact GlobalNavy for other applications.
<b>STORAGE</b>	2 years (storage on the original tightly closed containers in a dry, cool, well ventilated space, at temperatures between 5°C - 40°C).
<b>PACKING</b>	Single pack product, available in 1 L, 5 L and 20L.
<b>FURTHER INFORMATION</b>	Conventional spray, is allowed with a much higher dilution ratio, so it only should be used on special applications. Brush and roller are used fo small areas. Please contact our Globalnavy.
<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 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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