

# GlobalTemp GN002 High Temperature



## TECHNICAL DATA SHEET



### Heat Resistant Silicone Acrylic Single Pack Paint

<b>PRODUCT DESCRIPTION</b>	◆ GlobalTemp GN002HT is formulated and developed to be applied on steel surfaces exposed to high temperature (340°C).	
<b>PERFORMANCES</b>	<ul style="list-style-type: none"><li>• Excellent heat resistance up to 340°C (644°F);</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>• Excellent application properties.</li></ul>	
<b>RECOMMENDED USE</b>	STEEL SURFACES SUCH AS: - Exhaust pipes, Manifolds - Engine parts, Boiler casings. - As an exterior aluminium finish. - Radiators, Heat exchangers	
<b>APPROVALS</b>	Complies with EU Directive 2010/42/EC: subcategory j (VOC< 500 g/l).	
<b>COMPONENT A</b>	<b>COMPONENT B</b>	<b>COLOURS</b>
GN002HT	NA	GN002HTG7000 (Grey).

### Physical Properties

<b>GLOSS</b>	Semi gloss.
<b>SOLIDS BY VOLUME</b>	40 ± 2 %.
<b>VOC*</b>	> 340 grams/L.
<b>FLASH POINT</b>	> 26°C (79°F) Setaflash.
<b>PHYSICAL PROPERTIES</b>	Density: 1,1 g/cm <sup>3</sup>

### Application

<b>SURFACE PREPARATION</b>	GlobalTemp GN002HT is developed for application directly to iron/steel surfaces pre-treated by Blast cleaning to Sa 2,5 of the Swedish Standard SIS 055900. All surfaces must be free of oil, grease, moisture and other foreign matter prior to blasting.
<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 roller are suitable for "stripe-coat" and small areas, care should be taken in order to achieve the

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dft specified. When applying on enclosed areas ensure a good ventilation.

<b>APPLICATION CONDITIONS</b>	The substrate temperature shall be 10°-50°C. The substrate temperature should be 10°C (50°F) to 45°C (113°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 GN002 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 GN001TH.
<b>MIX RATIO</b>	NA
<b>HARDENER</b>	NA
<b>POT LIFE</b>	NA
<b>THINNER</b>	GN001TH
<b>SOLVENT / CLEANER</b>	GN001TH
<b>DRY TIME</b>	Surface Dry: 30 minutes (at 23°C (73°F)) and 50% relative humidity.
<b>THEORETICAL COVERAGE</b>	16.0 Sq.m/Lt (650 Sq.ft/US gal.) Dry: 20 microns (1 mils) • Wet: 61 microns (3 mils).
<b>TYPICAL PAINT SYSTEM</b>	• GlobalSyl GNZS01HB 1 x 75µm (DFT) • GlobalTemp GN002HT 1 x 33µm (DFT). This paint system is suitable for temperatures bellow 340°C (644°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 - 30°C).
<b>PACKING</b>	Single pack product available in 1 L and 5 L.
<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 Globa
<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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