

GlobalTemp GN012 High Temperature



TECHNICAL DATA SHEET



Heat resistant silicone based single pack product.

PRODUCT DESCRIPTION	◆ GlobalTemp GN012HT is formulated and developed to be applied on steel surfaces exposed to high temperature (up to 638°C /1180 °F).	
PERFORMANCES	<ul style="list-style-type: none">• Excellent heat resistant;• Excellent atmospheric exposure resistance to most chemicals and both fresh and salt water;• Excellent weathering properties;• Excellent gloss retention;• Temperature resistance up to 638°C (1180°F);• Excellent application properties.	
RECOMMENDED USE	STEEL SURFACES SUCH AS: - Exhaust pipes, Manifolds; - Engine parts, Boiler casings; - Chimneys; - Radiators, Heat exchangers.	
APPROVALS	Complies with EU Directive 2010/42/EC: subcategory j (VOC< 500 g/l).	
COMPONENT A	COMPONENT B	COLOURS
GN012HT	Na	GN012HTG9011 (Aluminium), GN012HTG9005 (black).

Physical Properties

GLOSS	Semi-gloss.
SOLIDS BY VOLUME	28 ± 2 %.
VOC*	> 340 grams/Lt.
FLASH POINT	> 26°C (79°F) Setaflash.
PHYSICAL PROPERTIES	Density: 1,08 g/cm ³

Application

SURFACE PREPARATION	GlobalTemp GN012HT is developed for direct to metal/steel application surfaces, DTM, pre-treated by Blast cleaning to Sa 2,5 grade accordingly with ISSO 8501 (Swedish Standard SIS 055900). All surfaces must be free of oil, grease, moisture and other foreign matter prior to blasting.
APPLICATION METHOD	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.

APPLICATION CONDITIONS	The substrate temperature should be minimum 10°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.
APPLICATION DATA	GlobalTemp GN012 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 GN001HT.
MIX RATIO	NA
HARDENER	NA
POT LIFE	NA
THINNER	GN001TH
SOLVENT / CLEANER	GN001TH
DRY TIME	Surface Dry: 1 hour at 23°C (73°F) and 50% relative humidity. Overcoating: 16 hours at 23°C (73°F).
THEORETICAL COVERAGE	16.0 Sq.m/Lt (650 Sq.ft/US gal.) Dry: 20 microns (1 mils) • Wet: 71 microns (3 mils).
TYPICAL PAINT SYSTEM	• GlobalSyl GNZS01HB 1 x 75µm (DFT) • GlobalTemp GN012HT 1 x 33µm (DFT). This paint system is suitable for temperatures bellow 400°C (752°F). 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	Single pack product, available in 1L, 5L and 20L.
FURTHER INFORMATION	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
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 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.

Parque Industrial de Carrascas, Estrada Nacional 252, 2950-402 Palmela PORTUGAL
 ♦ Tel.:+351 265107979 ♦ www.globalnavy.net ♦ email: sales@globalnavy.net