



New Guard Coatings Group

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This information is not exhaustive and it is the user's responsibility to ensure that this data sheet is the most current by contacting their local New Guard Coatings Group branch prior to using the coating/product.

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Guard HTS - High Temperature Silver



Technical Data Sheet

Product Description:

Silicone alkyd high temperature coating for application onto properly prepared surfaces. A single pack, heat resistant, protective and decorative silver coating. Suitable for temperatures up to 550°C.

Typical Uses:

A single component silicone alkyd paint which is ideal for interior use onto suitably prepared steel and metal. Temperature resistant up to 550°C.

Practical Information:

Colours	Silver
Pack Size	5 litre
Gloss Level	Sheen
Resin Type	Modified silicone alkyd
Components	Single Component
Generic Type	Solvent-based

Technical Information:

Theoretical Spreading Rate (approx)	6m ² per litre based on 15µm dft
Volume Solids (approx)	9%
Dry Film Thickness (DFT)	15µm
Wet Film Thickness (WFT)	165µm
Flash Point	Above 21°C
VOC Content	580gms/litre
Temperature Resistance	550°C

Surface Preparation:

Ensure surfaces are clean, dry and free from grease and other contamination before coating. Thoroughly degrease and where applicable, abrade to remove rust and promote good adhesion of the coating. For optimum corrosion protection, mild steel should be blast cleaned to Sa2.5. Complex structures may be more effectively cleaned by HPWJ (high pressure water jetting).

Mixing:

Mix Ratio: Not applicable.
Mixing Instructions: This material is a one-component coating and should always be mixed thoroughly with an agitator before application.
Pot Life: Not applicable.

Application Methods:

Brush	Yes	Small areas only
Roller	No	Not optimised
Conventional Spray	Yes	Thinner should not be required - maximum 5%
Airless Spray	Yes	Thinner should not be required - maximum 5%
Air Assisted Airless Spray	No	

For further information and guidance on application, please speak with our technical team.

Solvents:

Thinning: Guard Solvent A
Cleaning: Guard Solvent A

Drying and Curing Time:

Touch Dry	1-2 hours
Hard Dry	6 hours
Full Cure	Needs to be cured at 200°C for 1 hour to obtain full cure
Recoatable	Not recommended - small areas only

Drying times are based on temperatures of 20°C, lower temperatures will increase drying times. Please speak with our technical team before elevating temperatures or attempting to force cure any of our products unless already stated. Shop conditions such as having good airflow will optimise curing.

Compatibility:

Should be applied directly to suitably prepared steel. Not suitable to be topcoated.

Cleaning Information:

Once painting has been completed, clean all equipment with abovementioned cleaning solvent. Spray equipment should be appropriately flushed through for 3-5 minutes (returning unused paint to the tin, unless thinned which should be stored in a separate tin) before replacing any used solvent with clean solvent to leave in the pump, gun and lines.

Storage & Shelf-Life:

Unopened tins should be stored in a cool dry place between the temperatures of 5° and 25°C – better storage conditions will likely extend the shelf-life of the material. Always stir thoroughly before re-use.

Product has a shelf life of 12 months as standard from the date of manufacture. Once opened tins should have the lid fitted tightly when not in use. Please speak with us before using material which is past it's standard shelf-life as certain materials may need re-certifying before use.

Guard HTS is prone to gassing, therefore please exercise additional caution in both storage and opening of can lids, as they can 'pop' quite forcefully if sufficient gas pressure can built up (suitable PPE should be worn). Lids can be opened slightly and periodically (monthly) to help mitigate the gassing – the longer the product is stored unopened, the more extreme the gassing will be.

Safety Precautions:

To avoid the risk of spillage always store and transport in an upright secure position. Materials are hazardous and can also be flammable therefore appropriate precautionary measures must be taken including the use of gloves, glasses and recommended P.P.E in accordance with the material safety data sheets (MSDS).

Review

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Important Notes & Disclaimer:

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