



New Guard Coatings Group

A global reputation to protect.

The information herewith is given with the best of New Guard Coatings Group knowledge.

Rights are reserved to change and update the data without notice.

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.

www.newguardcoatings.com

NORTH • SOUTH EAST • MIDLANDS • NORTH WEST • HULL • SCOTLAND



Guard STV - Stoving Paint

Technical Data Sheet

Product Description:

Stoving paint for the protection and decoration of steel components, fabrications and other suitably prepared substrates.

Typical Uses:

Principally intended for prepared mild steel substrates, ferrous and suitable prepared non-ferrous metal substrates, but excluding zinc/galvanized iron.

Practical Information:

Colours	Full tintable colour range. All RAL & BS4800 colours and specials on request
Pack Size	5 litre, 20 litre
Gloss Level	Gloss.
Resin Type	Alkyd
Components	Single Component
Generic Type	Solvent-based

Technical Information:

Theoretical Spreading Rate (approx)	13m ² per litre based on 50µm wft
Volume Solids (approx)	42-43%
Dry Film Thickness (DFT)	20-22µm
Wet Film Thickness (WFT)	50µm
Flash Point	23-32°C
VOC Content	600gms/litre
Temperature Resistance	200°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 or power tooled to achieve ST3. Complex structures may be more effectively cleaned by HPWJ (high pressure water jetting).

Substrate temperature during application and curing should be above 5°C (41°F).

Substrate temperature during application and curing should be at least 3°C (5°F) above dew point.

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	No	
Roller	No	
Conventional Spray	Yes	
Airless Spray	No	
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:

After application, product requires stoving for 20 minutes at 140°C to full cure. It will not completely dry unless it is stoved. It is not suitable for overcoating.

Compatibility:

Due to Guard STV being designed to give a hard enamel finish once cured, it is not suitable for overcoating or application onto any primer.

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.

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

Document Reference: A1STV1.1
Version Date: October 2023
Stock Code: GSTV

Important Notes & Disclaimer:

The above information should be used as a guide only and is not a guarantee or warranty. The New Guard Coatings Group and our supply / manufacturing partners have provided this information in good faith and to the best of our knowledge correct at the time of print. 'Guard' is a brand owned by New Guard Holdings Ltd.

No liability will be accepted for incorrect colours or any other failure by the customer to check before use. This does not affect your statutory rights.

www.newguardcoatings.com