



New Guard Coatings Group

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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.

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Guard FES - Fast Enamel Spray



Technical Data Sheet

Product Description:

A single pack industrial enamel paint for use in situations where quick drying, high gloss, durable and tough coatings are needed.

Typical Uses:

Ideal for agricultural, appliance and machinery applications, where spraying is the main method of application. Providing a fast turnaround and durable finish.

Practical Information:

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

Technical Information:

Theoretical Spreading Rate (approx)	10-12m ² per litre based on 55µm dft
Volume Solids (approx)	50%
Dry Film Thickness (DFT)	55-82µm
Wet Film Thickness (WFT)	100-150µm
Flash Point	24°C
VOC Content	540gms/litre
Temperature Resistance	80°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	Thin up to 5% with Guard Solvent F for better finish
Roller	No	
Conventional Spray	Yes	Thin up to 10% - added as approx 3-5% each time
Airless Spray	Yes	
Air Assisted Airless Spray	Yes	Optimised

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

Solvents:

Thinning: Guard Solvent A (standard) Guard Solvent F (brush application)
Cleaning: Guard Solvent A

Drying and Curing Time:

Touch Dry	30 minutes
Hard Dry	16 hours
Full Cure	24 hours
Recoatible	12 hours

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:

Suitable for application onto Guard EP and Guard GIP as single pack zinc phosphate primers. Alternatively suitable for application onto Guard ETC and Guard ETC-2K, etch primers.

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

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Important Notes & Disclaimer:

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