



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 EP - Economy Primer

Technical Data Sheet

Product Description:

A single pack, quick drying, high build, zinc phosphate primer.

Typical Uses:

Suitable for application onto various substrates including metal and steel. Ideal for customers requiring high throughput with structural steel and fabrication works.

Practical Information:

Colours	RedOxide, LightGrey
Pack Size	5 litre, 20 litre
Gloss Level	Matt
Resin Type	Alkyd
Components	Single Component
Generic Type	Solvent-based

Technical Information:

Theoretical Spreading Rate (approx)	5.3m ² per litre based on 75µm dft
Volume Solids (approx)	40%
Dry Film Thickness (DFT)	75µm
Wet Film Thickness (WFT)	188µm
Flash Point	25°C
VOC Content	505gms/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	Occasional	Small areas only, or for strip coating - use with caution, can be prone to brush marks
Roller	Occasional	Small areas only
Conventional Spray	Yes	Thin up to 10% - added as approx 3-5% each time
Airless Spray	Yes	Nozzle size 18-21 thou, fan angle 80°, tip pressure 2000-2500psi
Air Assisted Airless Spray	No	Not optimised

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	20-40 minutes
Hard Dry	24 hours
Full Cure	48 hours
Recoatable	Please contact us for this information.

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:

Can be overcoated with many topcoats in the Guard range, including Guard FEB + Guard FES (alkyds) or Guard SPU (polyurethane).

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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