



# 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 GIP - General Industrial Primer



## Technical Data Sheet

### Product Description:

Single pack, high-build, zinc phosphate primer, based on modified alkyd resin. Good anticorrosive properties under atmospheric conditions. Fast drying and fast handling.

### Typical Uses:

Principally intended for prepared mild steel substrates, ferrous and suitable prepared non-ferrous metal substrates.

### Practical Information:

Colours	RedOxide, LightGrey, DarkGrey, Black, OffWhite, Buff
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)	11m <sup>2</sup> per litre based on 50µm dft
Volume Solids (approx)	55%
Dry Film Thickness (DFT)	50-75µm
Wet Film Thickness (WFT)	90-136µm
Flash Point	29.3°C
VOC Content	382gms/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 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	Yes	Small areas only, or for strip coating - Thin 0.2% with Guard Solvent F
Roller	Yes	Small areas only - Thin 0.2% with Guard Solvent F
Conventional Spray	Yes	Thin 5-10% - added as approx 3-5% each time, 1.8-2.0mm nozzle orifice, 0.4 Mpa nozzle pressure
Airless Spray	Yes	0-5% Thinner - 0.38-0.48 nozzle orifice, 12.0-16.0 Mpa nozzle pressure
Air Assisted Airless Spray	Yes	0-5% Thinner - 0.38-0.48 nozzle orifice, 12.0-16.0 Mpa nozzle pressure

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

## Solvents:

<b>Thinning:</b>	Guard Solvent A	Guard Solvent F (for brush/roller)
<b>Cleaning:</b>	Guard Solvent A	

## Drying and Curing Time:

Touch Dry	15 minutes
Hard Dry	12 hours
Full Cure	24 hours
Recoatable	45 minutes minimum

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:

Recoatable with most one and two-component coatings including Guard FEB + FES (alkyds) or Guard SPU (polyurethane) single pack topcoats or Guard MSP-2K for extra durability.

## 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:** A1GIP1.1  
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## Important Notes & Disclaimer:

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