



New Guard Coatings Group

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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.

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Guard HBV - High Build Vinyl

Technical Data Sheet

Product Description:

Single pack, one coat product for suitable prepared steel, optimised use onto galvanised steel and aluminium.

Typical Uses:

Designed for protection of galvanised steel structures. Ideal for gates, railings and industrial plant equipment. Ideal for application onto steel where full ST3 / Sa2.5 preparation cannot be achieved. Ideal for environments with higher humidity.

Practical Information:

| | |
|--------------|------------------------------------------------------------------------------|
| Colours | Full tintable colour range. All RAL & BS4800 colours and specials on request |
| Pack Size | 5 litre, 20 litre (nominal volumes) |
| Gloss Level | Matt, Satin, Gloss |
| Resin Type | Vinyl modified Alkyd |
| Components | Single Component |
| Generic Type | Solvent-based |

Technical Information:

| | |
|-------------------------------------|---------------------------------------------|
| Theoretical Spreading Rate (approx) | 4m ² per litre based on 75µm dft |
| Volume Solids (approx) | 30% |
| Dry Film Thickness (DFT) | 75µm |
| Wet Film Thickness (WFT) | 250µm |
| Flash Point | Above 21°C |
| VOC Content | 575gms/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).

For the best corrosion protection we recommend stripe coating all edges and hard to reach areas with this product first, before application of a full coat.

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 | Use with caution, can be prone to brush marks |
| Roller | Yes | 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 | 1 hour |
| Hard Dry | 12 hours |
| Full Cure | 3 days |
| Recoatable | After 3 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:

Designed as a 'OneCoat' primer/finish product, although would be suitable over single component alkyd primers such as Guard EP and Guard GIP. Can be topcoated with most single component topcoats such as Guard FEB + Guard Guard FES (alkyds) and 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:

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.

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