



New Guard Coatings Group

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

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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 SPU - Single Pack Polyurethane



Technical Data Sheet

Product Description:

A high quality single pack polyurethane, for use as a durable floor coating (light-medium traffic) and as a topcoat onto suitably primed surfaces. As a single component product this polyurethane does not contain isocyanate.

Typical Uses:

Can be used either as a single pack floor coating onto suitably prepared concrete, or onto floors previously coated with Guard UBP-2k. Suitable for light to medium traffic with decent resistance to oil spillages, providing they are not left to pool.

Can also be used as a topcoat onto suitably prepared / primed surfaces. Provides slightly better gloss and colour retention over traditional alkyd enamel topcoats, as well as providing a degree of chemical resistance.

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 | Polyurethane |
| Components | Single Component |
| Generic Type | Solvent-based |

Technical Information:

| | |
|-------------------------------------|--|
| Theoretical Spreading Rate (approx) | 13m ² per litre based on 60µm dft |
| Volume Solids (approx) | 47% |
| Dry Film Thickness (DFT) | 35µm |
| Wet Film Thickness (WFT) | 75µm |
| Flash Point | 24°C |
| VOC Content | 410gms/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 | On new concrete thin the first coat 4:1. Two finishing coats should be applied evenly. Allow to dry 16 hours between the two coats. |
| Roller | Yes | Same as above |
| Conventional Spray | Yes | For steel, not floors |
| Airless Spray | No | Not optimised |
| Air Assisted Airless Spray | No | |

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

Solvents:

Thinning: Guard Solvent F
Cleaning: Guard Solvent F

Drying and Curing Time:

| | |
|------------|--------------------------|
| Touch Dry | 2 hours |
| Hard Dry | 8 hours |
| Full Cure | 16 hours |
| Recoatable | Min 16 hours, Max 7 days |

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:

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.

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