



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 MSP-2K - Multi Surface Paint



Technical Data Sheet

Product Description:

A two-component polyurethane coating with very good adhesion properties. Very good UV resistance.

Typical Uses:

Providing the substrate is suitably prepared, Guard MSP-2k is suitable for application onto the majority of surfaces, even including wood and most plastics. Product is therefore ideal for application onto mixed surface or unidentified surface types – though in this instances a trial area should always be conducted to ensure suitability is satisfactory to the end user.

Offers excellent chemical and abrasion resistance, as well as excellent UV protection and colour retention.

Practical Information:

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

Technical Information:

Theoretical Spreading Rate (approx)	12m ² per litre based on 40µm dft
Volume Solids (approx)	50%
Dry Film Thickness (DFT)	40-70µm
Wet Film Thickness (WFT)	80-140µm
Flash Point	Above 23°C
VOC Content	450gms/litre
Temperature Resistance	120°C

Surface Preparation:

Product is suitable to be applied with minimal preparation compared to some other coatings. Surface should still be cleaned, degreased and fully free from contaminants such as oil.

Then substrate should be lightly abraded as a minimum to give a key, using such as hand tools. The better the surface preparation the longer the coating will last. If applied onto steel, shot / sweep blasting is the optimum method of preparation.

Mixing:

Mix Ratio: 4:1 (Matt and Satin) 3:1 (Gloss and Semi-Gloss)
Mixing Instructions: Mix thoroughly with a mechanical aggregator for at least 3 minutes prior to application of the product, to ensure both the base and activator (component A + component B) are completely mixed together.

Pot Life: 3 hours at 20°C

Application Methods:

Brush	Yes	0-3% Thinner Guard Solvent L, if required
Roller	Yes	0-3% Thinner Guard Solvent L, if required
Conventional Spray	Yes	Nozzle orifice 1.5-2.1mm (approx. 0.060-0.080 in) Pressure 29 - 50 psi / 2 – 3.5 bar / 0.2 – 0.35 MPa 0-20% Thinner Guard Solvent I, if required, depending on viscosity, pump and film thickness
Airless Spray	Yes	Nozzle orifice 0.40 – 0.53 mm (approx. 0.015-0.021 in) Pressure 1595 - 2175 psi / 110 – 150 bar / 11 – 15 MPa 0-20% Thinner Guard Solvent I, if required, depending on viscosity, pump and film thickness
Air Assisted Airless Spray	Yes	Nozzle orifice 0.40 – 0.53 mm (approx. 0.015-0.021 in) Pressure 1595 - 2175 psi / 110 – 150 bar / 11 – 15 MPa 0-20% Thinner Guard Solvent I, if required, depending on viscosity, pump and film thickness

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

Several coats may be required to achieve required DFTs if applying by brush or roller.

Solvents:

Thinning (Brush/Roller): Guard Solvent L
Thinning (Spray) Guard Solvent I
Cleaning: Guard Solvent I

Drying and Curing Time:

Touch Dry	30 minutes
Hard Dry	2 hours
Full Cure	4 days
Recoatible	Minimum 4 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 one coat product, though will be suitable for application onto most 2 component primers. If being applied onto an existing coating, the previous coat should still be cleaned, degreased and lightly abraded, and a small trial area should be applied to ensure there is no reaction with the previous paint.

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:	A1MSP2K1.3
Version Date:	September 2025
Stock Code:	GMSP2K

Important Notes & Disclaimer:

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