



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 OC - One Coat



Technical Data Sheet

Product Description:

A quick drying single coat product, designed to be both a primer and finish in one.

Typical Uses:

Designed to be applied to suitably prepared steel, as a single coat, fast drying product to give maximum throughput. Contains zinc phosphate to also provide anti-corrosive properties. Ideal for modular market, or industries where easy application and a quick dry times are vital.

Practical Information:

Colours	DarkGreen, Grey, DarkGrey, Black, Yellow, Red, DarkBlue, Blue and White as standard. All RAL, BS4800 colours and full tintable colour range.
Pack Size	5 litre, 20 litre (Nominal Volumes)
Gloss Level	Semi-Gloss as standard
Resin Type	Alkyd
Components	Single Component
Generic Type	Solvent-based

Technical Information:

Theoretical Spreading Rate (approx)	8m ² per litre based on 75µm dft
Volume Solids (approx)	60%
Dry Film Thickness (DFT)	75µm
Wet Film Thickness (WFT)	125µm
Flash Point	22-32°C
VOC Content	507gms/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	No	Not optimised, small areas only
Roller	No	
Conventional Spray	Yes	
Airless Spray	Yes	
Air Assisted Airless Spray	Yes	

For further information and guidance on application, please speak with our technical team. Bright colours such as reds, yellow and oranges may require more than one coat to achieve optimum opacity.

Solvents:

Thinning: Guard Solvent A
Cleaning: Guard Solvent A

Drying and Curing Time:

Touch Dry	20-40 minutes
Hard Dry	2 hours
Full Cure	Up to 7 days
Recoatable	Yes, no overcoating window

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, though is compatible with most single component primers, such as Guard GIP or Guard EP. Likewise can be overcoated with alkyd topcoats such as Guard FEB or Guard FES.

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: A1OC1.1
Version Date: October 2022
Stock Code: GOC

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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