



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 CZ - Cold Zinc

Technical Data Sheet

Product Description:

A single pack zinc rich anticorrosive primer for the easy site repair of zinc primers and galvanising.

Typical Uses:

Very high zinc content (80% of metallic zinc by weight in dry film) for excellent cathodic anticorrosive protection. Easy application due to being single component and ideal for touch-up on zinc rich and zinc silicate primers, as well as aluminium and galvanised steelwork.

Practical Information:

Colours	Grey
Pack Size	2.5 Litre
Gloss Level	Matt
Resin Type	Zinc
Components	Single Component
Generic Type	Solvent-based

Technical Information:

Theoretical Spreading Rate (approx)	10.4m ² per litre based on 50µm dft
Volume Solids (approx)	52%
Dry Film Thickness (DFT)	50µm
Wet Film Thickness (WFT)	96µm
Flash Point	23-60°C
VOC Content	446gms/litre
Temperature Resistance	200°C

Surface Preparation:

If used as a primer, 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).

If used to spot prime or repair, ensure surface is suitably prepared by cleaning and degreasing and then preparing the surface with a minimum of manual hand tools to promote adhesion.

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	Reduced film thickness, may require two coats to achieve intended DFT.
Roller	Not optimised	
Conventional Spray	No	
Airless Spray	Yes	Output fluid pressure at tip 2000-25000 psi minimum, tip size: 15-17 thou (0.38-0.43mm)
Air Assisted Airless Spray	No	

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

Solvents:

Thinning: N/A
Cleaning: Guard Solvent A

Drying and Curing Time:

Touch Dry	45 minutes
Hard Dry	4 hours
Full Cure	8 hours
Recoatable	12 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:

When used as a primer Guard CZ is suitable to be overcoated with most single component products, such as Guard HBV or Guard SCF as OneCoat products.

If being used purely to spot prime onto a non-ferrous substrate, compatibility between the substrate and any subsequent coats must be checked (for example, standard alkyd coatings are not suitable for application direct onto galvanised steel, even though generically this type of product would be suitable as a topcoat onto the Guard CZ itself).

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:

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