



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 BT - Bitumen

Technical Data Sheet

Product Description:

Single pack bitumen paint for application onto a variety of substrates.

Typical Uses:

Used for water-proofing substrates including brick, stone, timber, concrete, metal and steel. When dry, the coating provides a cost effective waterproofing solution, which is easily repaired and recoatable. Not suitable as a decorative coating as UV exposure will cause the coating to dust and brown.

Practical Information:

Colours	Black
Pack Size	5 litre, 20 litre
Gloss Level	Matt
Resin Type	Bitumen
Components	Single Component
Generic Type	Solvent-based

Technical Information:

Theoretical Spreading Rate (approx)	10m ² per litre based on 55µm dft
Volume Solids (approx)	55%
Dry Film Thickness (DFT)	55-110µm
Wet Film Thickness (WFT)	100-200µm
Flash Point	Above 32°C
VOC Content	400-420gms/litre
Temperature Resistance	40°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).

Minimal preparation is required compared to most coatings. Ensure surface is free from rust and contaminates then suitable abraded to give a key. See cleaning information.

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	Small areas and repairs only
Roller	No	Small areas and repairs only
Conventional Spray	Yes	Not optimised - Thin up to 20% - added as approx 5% each time
Airless Spray	Yes	Optimised
Air Assisted Airless Spray	Yes	Not optimised

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	40 minutes
Hard Dry	3-4 hours
Full Cure	24 hours
Recoatible	2 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:

Bitumen products are not generally used as part of a system. If topcoated the bitumen will likely bleed through.

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.

If overcoating with itself, ensure surface is thoroughly cleaned and previous coating suitably abraded.

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 18 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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