



New Guard Coatings Group

A global reputation to protect.

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

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.

www.newguardcoatings.com

NORTH • SOUTH EAST • MIDLANDS • NORTH WEST • HULL • SCOTLAND



Guard ETC-2k - Two Pack Etch

Technical Data Sheet

Product Description:

Acid self etching paint supplied in a Two pack format and containing Zinc Phosphate but being 'Zinc Chromate Free'.

Typical Uses:

As a pretreatment primer on difficult metallic substrates such as zinc or aluminium. As a 'wash' primer onto other steel fabrication & substrates, that are subjected to further processing and coating.

Practical Information:

Colours	Grey, Yellow
Pack Size	10 litre composite (5 litre base, 5 litre activator)
Gloss Level	Matt
Resin Type	PVB (base), phosphoric acid in alcohol solvent (activator)
Components	Two Component
Generic Type	Solvent-based

Technical Information:

Theoretical Spreading Rate (approx)	10-12m ² per litre based on 10µm dft
Volume Solids (approx)	16%
Dry Film Thickness (DFT)	5-10µm
Wet Film Thickness (WFT)	31-62µm
Flash Point	23-32°C
VOC Content	720gms/l
Temperature Resistance	200°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: 1:1
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

Application Methods:

Brush	Yes	Small areas only
Roller	No	
Conventional Spray	Yes	Optimised
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 J
Cleaning: Guard Solvent J

Drying and Curing Time:

Touch Dry	30 minutes
Hard Dry	6 hours
Full Cure	24 hours (or after stoving if used under powder coating)
Recoatable	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:

Suitable to be overcoated with most single pack products including Guard FEB and Guard SPU topcoats, or onecoat products such as Guard SCF for greater corrosion protection.

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 6 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: A1ETC2K1.1
Version Date: March 2022
Stock Code: GETC2K

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.

www.newguardcoatings.com