



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.

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

PRIMER F-21

PRODUCT TYPE	Anti-corrosion primer based on modified alkyd resin.
RECOMMENDED USE	General use primer for steel exposed to a mildly aggressive environment, indoor as well as outdoor.
PROPERTIES	<ul style="list-style-type: none"> • Fast drying • Chromates-free.
CERTIFICATIONS	This product is certified as complying with standard; UNE EN 13501-1: 2007 EUROCLASSES : B-S1, d0



Product features:

Colour: UNE EN ISO 3668	Several colours
Brilliance (60° geometry) UNE EN ISO 2813	Matt
Specific weight (kg/l) UNE EN ISO 2811-1	1.40 ± 0,05
Weight of solid components (%) UNE EN ISO 3251	68% ± 3
Volume of solid components (%) UNE 48090-82 (ISO 3233)	48% ± 3
Theoretical return	12 m ² /l. (40 microns layer)
Storage and stability in container	9 months in the original, unopened packaging. Store in a cool dry place away from frost. Temperature range: 5-40°C
COV	430-450 g/L. (According to the colour)

* Check Appendix on definitions

How to use

	READY TO USE
Application device	Aerograph spray gun, mixed and airless
Application viscosity (Ford 4)	Depending on the device
Aerograph	Spray nozzle: 1.4-2 mm. Pressure: 3-4 BAR
Mixed	Spray nozzle: 0.013" - 0.017" Pressure: 40-60 BAR
Airless	Spray nozzle: 0.015" - 0.019" Pressure: 150-170 BAR
Recommended layer thickness	40-60 microns per layer
Application on	Steel: Normal environments: clean and degreased. Mildly aggressive environments Sandblasting Sa2 ½ Clean and degreased surfaces
Coating	Coat with synthetic varnish

	Thinner	Application percentage*
Aerograph	.9310 Synthetic thinner N200 / .9144 Thinner for metallic colours N100 / .9972 Thinner N300	0-10%
Mixed	.9310 Synthetic thinner N200 / .9144 Thinner for metallic colours N100 / .9972 Thinner N300	0-7%
Airless	.9310 Synthetic thinner N200 / .9144 Thinner for metallic colours N100 / .9972 Thinner N300	0-5%
Electrostatic	.9310 Synthetic thinner N200 / .9144 Thinner for metallic colours N100 / .9972 Thinner N300	0-10%

Cleaning solvent	Cleaning solvent 9748 or Synthetic thinner N200 Ref. 9310
Equipment cleaning	We recommend proper cleaning of devices and equipment after work

Instructions for use

Preparation of surfaces

Wash surface and remove oxides, grease, or powder residues. It is recommended to strip the surface in order to obtain best results.

Instructions for use

Apply fine and uniform layers very evenly. Using airbrush gun and airless spray gun: adjust the viscosity with Thinner N200, ref. 9330. You may also use .9144 Thinner for metallic colours N100 at low temperatures or .9972 Thinner N300 at high temperatures.

Advice before application

Stir the paint in container well

Drying/polymerisation *

	10°C	20°C	35°C
Dry to touch * UNE EN ISO 3678	45 minutes	20-30 minutes	10-15 minutes
Hard drying	4 hours	2 hours	1 hour
Total drying time	15 days	15 days	15 days
Minimum waiting time to apply the second layer	2 hours		
Maximum waiting time to apply the second layer	Indefinite*		
Drying for physical tests	15 days		
Drying for chemical tests	15 days		

* Check Appendix on definitions

Physical and chemical properties

Test tubes	Carbon steel
Dry film thickness UNE-EN ISO 2808	50 +/-10 microns
Persoz Hardness UNE-EN ISO 1522	>140 seconds
Adhesion UNE-EN ISO 2409	100% (Gt0)
Direct impact	50cm/20mm
Reverse impact	50cm/20mm
Stamping	7mm
Lining	Diameter 5 mm

Generalities

Conditioning	5Kg., 25 Kg.
Storage	In a cool dry place.

Notes

See General Conditions.

Check Appendix on Definitions to obtain further details on the different aspects of the data sheet, as well as general usage tips.

Temperature must be above 10 °C during the product's application and drying.

Similarly, paint temperature should be above the minimum set threshold.

It is therefore important to guarantee proper ventilation during its use on closed surfaces and subsequent polymerisation. Do not keep containers open or partly used.

For mildly aggressive environments: As for standard toxicology, check SAFETY DATA SHEET.

Ensure proper ventilation when painting.

Shake container before use.

This sheet is for information purposes only, and does not replace an expert's advice. The information provided reflects our current knowledge and have been obtained from our own experience, but under no circumstance do they entail any warranty whatsoever from our part. For this reason, Barpimo cannot accept any undesired consequence deriving from its use. 15-06-2016 (1) This sheet replaces any previous one.