



New Guard Coatings Group

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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



Product Data Sheet

Product Name:

Guard FSB

Description:

A water based long lasting stain for use over fencing and other rough sawn garden timber to colour and protect. Low Odour. Safe to use around plants and pets. Non-drip formulation. Suitable for exterior wood. Low sheen dependant on substrate.

This paint cannot be applied in the rain. It needs to be a warm, dry day with temperatures above 10°C. Cold weather will stop it from properly drying and impact adhesion.
This paint is not suitable for decking application.

Uses:

Fences, sheds, barns etc.

Product Information:

Colours	RAL, others on request.
Pack Sizes	5 Litre, 10 Litre
Thinner	n/a
Theoretical Spreading Rate	15-20 m ² /l
Wet Film Thickness (WFT)	100µm
Dry Film Thickness (DFT)	20-25µm per coat
VOC	0.060kg/litre
Flash Point	n/a

Surface Preparation:

Ensure that no moisture is present in the wood, it should be well seasoned and it is advisable to apply of a suitable wood primer before the surface is exposed to external elements. If a wood preservative treatment has previously been applied to the surface, then details of that product should be supplied to New Guard Coatings in order to obtain a system of coating that would be most suited. Application of the primer should be carried out using a brush and worked well in to ensure full coverage to exposed end grain.

Application:

Brush	Yes
Roller	Yes
Airless Spray	No
Conventional Spray	No

Drying Times:

Please note drying times are based on temperature at 20°C.

Touch Dry	30-40 minutes
Hard Dry	2-4 hours



Product Data Sheet

Storage:

When stored unopened in a dry place at temperatures above 5°C, shelf life is 12 months from the date of manufacture. Once painting has been completed ensure as much product is removed as possible from the application tool and then clean immediately using an appropriate cleaning solvent. If there is any leftover paint, ensure that the tin is closed by replacing the lid firmly and securely and store in a safe place away from heat and flames.

To avoid the risk of spillage, always store and transport in a secure upright position.

Precautions:

Materials are both hazardous and flammable and therefore precaution measures should be taken and appropriate P.P.E worn in accordance with the Material Safety Data Sheets and regulations.

Health & Safety:

Please view the product Health & Safety Sheet for information in relation to hazardous identification, first aid measures, fire fighting, accidental release, handling, exposure control, personal protective equipment (P.P.E), disposal and regulatory information.

Additional Info:

The above information should be used as a guide only and is not a guarantee or warranty. New Guard Holdings and our supply partners and manufacturers have provided this information in good faith and is to the best of our knowledge correct at the time of print. 'Guard' is a brand owned by New Guard Holdings, but this does not imply the manufacture of such product.

Review:

Ref: Guard FSB Review Status: 1

Last Update: June 2021

All our documents are reviewed at least annually and in-line with legislation.

Global Head Office:

New Guard Holdings
Sandbeck Way
Wetherby
West Yorkshire
LS22 7DN

Tel: +44 (0)1937586311

Email: uksales@newguardcoatings.com

New Guard Coatings Group



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SIGMA ALPHAGEN™ 650

DESCRIPTION

High-performance, TBT-free, self-polishing antifouling for coastal operating ships, with cuprous oxide and organic biocides for aggressive fouling conditions

PRINCIPAL CHARACTERISTICS

- High-activity, TBT-free, self-polishing, antifouling for coastal-operating vessels
- TBT-free self-polishing antifouling for new-building and maintenance
- Controls common types of shell and weed fouling for long service periods, depending on sailing pattern and routes
- Controlled polishing rate to give effective protection in accordance with the specified dry film thickness
- Complies with IMO Antifouling Systems Convention

COLOR AND GLOSS LEVEL

- Redbrown, brown, black
- Flat

BASIC DATA AT 20°C (68°F)

Data for product	
Number of components	One
Mass density	2.0 kg/l (16.7 lb/US gal)
Volume solids	57 ± 2%
VOC (Supplied)	Directive 1999/13/EC, SED: max. 173.0 g/kg max. 340.0 g/l (approx. 2.8 lb/US gal)
Recommended dry film thickness	75 - 150 µm (3.0 - 6.0 mils) depending on system
Theoretical spreading rate	3.8 m²/l for 150 µm (152 ft²/US gal for 6.0 mils)
Dry to touch	1 hour
Overcoating Interval	Minimum: 6 hours
Refloating time	Minimum: 8 hours
Shelf life	At least 18 months when stored cool and dry

Notes:

- See ADDITIONAL DATA – Spreading rate and film thickness
- See ADDITIONAL DATA – Overcoating intervals

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Substrate conditions

- Previous coat must be sound, dry and free from any contamination
- Suitable high performance anticorrosive (epoxy)
- For the epoxy anticorrosive system, SIGMACOVER 525 or SIGMACOVER 555 should be used as a tiecoat

SIGMA ALPHAGEN™ 650

Substrate temperature and application conditions

- Substrate temperature during application should be at least 3°C (5°F) above dew point

INSTRUCTIONS FOR USE

- The paint should be stirred well before use, preferably by means of a mechanical mixer, to ensure homogeneity
- The temperature of the paint should preferably be above 15°C (59°F), otherwise extra thinner may be required to obtain application viscosity
- Adding too much thinner results in reduced sag resistance

Airless spray**Recommended thinner**

THINNER 21-06

Volume of thinner

0 - 3%, depending on required thickness and application conditions

Nozzle orifice

Approx. 0.53 – 0.69 mm (0.021 – 0.027 in)

Nozzle pressure

12.0 - 15.0 MPa (approx. 120 - 150 bar; 1741 - 2176 p.s.i.)

Brush/roller

- Only for touch-up and repair

Recommended thinner

THINNER 21-06

Volume of thinner

0 - 3%

Cleaning solvent

THINNER 21-06

ADDITIONAL DATA

Spreading rate and film thickness	
DFT	Theoretical spreading rate
75 µm (3.0 mils)	7.6 m ² /l (305 ft ² /US gal)
100 µm (4.0 mils)	5.7 m ² /l (229 ft ² /US gal)
150 µm (6.0 mils)	3.8 m ² /l (152 ft ² /US gal)

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Overcoating interval for DFT up to 150 µm (6.0 mils)

Overcoating with...	Interval	5°C (41°F)	10°C (50°F)	20°C (68°F)	30°C (86°F)
itself	Minimum	18 hours	12 hours	6 hours	4 hours
	Refloating - Minimum	24 hours	12 hours	6 hours	4 hours

Notes:

- The above data are a fair indication for normal dry dockings
- Longer drying times may be necessary at higher DFT and under unfavorable atmospheric conditions

SAFETY PRECAUTIONS

- For paint and recommended thinners see INFORMATION SHEETS 1430, 1431 and relevant Material Safety Data Sheets
- This is a solvent-borne paint and care should be taken to avoid inhalation of spray mist or vapor, as well as contact between the wet paint and exposed skin or eyes

WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective and Marine Coatings to supply the same product on a worldwide basis. However, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.

REFERENCES

- | | | |
|--|-------------------|------|
| • EXPLANATION TO PRODUCT DATA SHEETS | INFORMATION SHEET | 1411 |
| • SAFETY INDICATIONS | INFORMATION SHEET | 1430 |
| • SAFETY IN CONFINED SPACES AND HEALTH SAFETY, EXPLOSION HAZARD – TOXIC HAZARD | INFORMATION SHEET | 1431 |

WARRANTY

PPG warrants (i) its title to the product, (ii) that the quality of the product conforms to PPG's specifications for such product in effect at the time of manufacture and (iii) that the product shall be delivered free of the rightful claim of any third person for infringement of any U.S. patent covering the product. THESE ARE THE ONLY WARRANTIES THAT PPG MAKES AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, UNDER STATUTE OR ARISING OTHERWISE IN LAW, FROM A COURSE OF DEALING OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION, ANY OTHER WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR USE, ARE DISCLAIMED BY PPG. Any claim under this warranty must be made by Buyer to PPG in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life of the product, or one year from the date of the delivery of the product to the Buyer, whichever is earlier. Buyer's failure to notify PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.

LIMITATIONS OF LIABILITY

IN NO EVENT WILL PPG BE LIABLE UNDER ANY THEORY OF RECOVERY (WHETHER BASED ON NEGLIGENCE OF ANY KIND, STRICT LIABILITY OR TORT) FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES IN ANY WAY RELATED TO, ARISING FROM, OR RESULTING FROM ANY USE MADE OF THE PRODUCT. The information in this sheet is intended for guidance only and is based upon laboratory tests that PPG believes to be reliable. PPG may modify the information contained herein at any time as a result of practical experience and continuous product development. All recommendations or suggestions relating to the use of the PPG product, whether in technical documentation, or in response to a specific inquiry, or otherwise, are based on data, which to the best of PPG's knowledge, is reliable. The product and related information is designed for users having the requisite knowledge and industrial skills in the industry and it is the end-user's responsibility to determine the suitability of the product for its own particular use and it shall be deemed that Buyer has done so, as its sole discretion and risk. PPG has no control over either the quality or condition of the substrate, or the many factors affecting the use and application of the product. Therefore, PPG does not accept any liability arising from any loss, injury or damage resulting from such use or the contents of this information (unless there are written agreements stating otherwise). Variations in the application environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results. This sheet supersedes all previous versions and it is the Buyer's responsibility to ensure that this information is current prior to using the product. Current sheets for all PPG Protective & Marine Coatings Products are maintained at www.ppgpmc.com. The English text of this sheet shall prevail over any translation thereof.



SIGMA ALPHAGEN™ 650

Depending on specific country of application the following versions are available:

Article code	Color	Reference
225899	redbrown	2008002200
230247	brown	2000002200
234164	black	8000002200

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