

TECHNICAL DATA SHEET



ENVIROGRAF®

TD092-Q/VFR W-03-2013

Product Number: 92
Q/VFR White
Fire Protection Coating

Description:

QVFR is a two-part fire protection system for wood, wood boards MDF melamine and veneered boards, and wood related products.

Physical Data:

Type:	Water based fire protection product.
Colour:	White
Gloss:	Matt
Viscosity:	5-10 poise
Specific Gravity:	1.15

Recommended For Use:

Recommended spreading rate:	10 m ² /litre
Application methods:	Brush, roller or spray
Dry to touch:	1-2 hours - varies with temperature humidity ventilation and film thickness.
Conditions during application:	Temperature of air and substrate must be above 5 °C.

Miscellaneous:

Size of containers:	1, 2.5 and 5 litres
Remarks:	Frost-free freight and storage. STIR WELL before use
Shelf Life:	12 months in unopened original packaging (Stored between 5-30 °C)

APPLICATION DATA SHEET



ENVIROGRAF®

AP092-QVFR White-06-2019

Product Number: 92

For Internal Application Only

Q/VFR White

Description:

The QVFR System offers a white coating; suitable for upgrading new and already coated timber and wood related surfaces to BS476: Part 6 & 7, Class 0 & 1, UK Building Regulations and European standard EN 13501-1 sections EN 13823:2002 single burn (SBI) & EN11925:2002 ignitability tests achieving classification B/S1/d0 plus 20 minutes fire protection

These products are water-based and are for use internally only

Application:

QVFR White coating 2 part system:

Coat No.1 – apply 1 coat at 10m² per litre

Coat No.2 – apply 1 coat at 10m² per litre – finish can be matt, satin or gloss (state when ordering)

Should the wood to be coated have a varnished or polished surface then Envirograf Primer would need to be applied first – 1 coat at 12m² per litre

Note: It is important to ensure the moisture content of the wood substrate is below 12% / 14% before application and the application must be made in a warm, dry area. Ensure the wood is dry before application.

Always shake and stir the container vigorously to ensure the product is well mixed.

Application onto new wood – ensure the surface is dust free. For existing painted or varnished surfaces, please ensure any flaking areas are removed. QVFR can be applied by roller, brush or spray.

If solvent based stain is to be used, this must be applied after part 2, not before.

Application for the QVFR range – 2 coats at 10m² per litre, per coat. Ensure the first coat is thoroughly dry before applying coat part 2 and the coatings **MUST** be applied in sequence.

If spraying add up to 10% water. The contents must be thoroughly mixed before use. Use a 2.5mm to 3mm nozzle.

Tools:

Leave brush in cold soapy water then clean with brush cleaner.

NB. The coverage on the first coat could vary according to the density or type of the timber. For suitable applications, contact our Technical Department. Trials in small areas must always be carried out prior to full application, as colour performance varies according to substrate structure and atmospheric conditions.

QVFR over existing paint or varnish may require ES/VFR clear primer first but QVFR can be applied to any coating and primer would not be needed on new or previously untreated wood.

SAFETY DATA SHEET



ENVIROGRAF®

HS092-QVFR White-03-2019

Product Number: 92 Q/VFR White C1 & C2

Description:

Fire protection coating for wood, wood boards MDF melamine and veneered boards, and wood related products.

This product comprises of the following materials and therefore is supported by Health & Safety Data Sheets:

- (Appendix 46) QVFR/W C1 & C2

*The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to date information. The information given in this data sheet does not constitute or replace the user's own assessment of workplace risk as required by other health and safety legislation.

HEALTH & SAFETY INFORMATION SHEET
APPENDIX 46
QVFR/W C1 & C2

20th March 2018**1. IDENTIFICATION OF THE PREPARATION AND COMPANY**

PRODUCT NAME:	QVFR White Coat 1 & Coat 2
MANUFACTURER/SUPPLIER:	Envirograf
ADDRESS:	Envirograf House, Barfrestone, Dover, Kent, CT15 7JG
TELEPHONE/FAX/EMAIL:	01304 842555 01304 842666 sales@envirograf.com
EMERGENCY PHONE NUMBER:	01304 842555 (Monday to Friday 8.30 – 5.30)
PRODUCT USE:	Coatings: Waterborne paint

2. HAZARDS IDENTIFICATION**Health effects:****Hazard Symbol**

May product an allergic reaction

Skin

May cause slight irritation on prolonged / repeated contact.

Eyes

May cause some irritation.

Inhalation

No hazard under normal conditions of use.

Ingestion

Low toxicity.

Physical/chemical effects

Not applicable.

3. COMPOSITION / INFORMATION ON INGREDIENTS**Chemical characterization** Aqueous (emulsion) polymer system.**Hazardous components:-**

Biocidal ingredients-contains:

- 2-methyl isothiazol-3(2H)-one. < 0.0006%. CAS No. 2682-20-4 H301 / H330 / H314 / H318 / H317 / H400
- Pyrithione Zinc < 0.0006% Cas No. 13463-41-7 H301 / H330 / H318 / H400 / H 410
- 1,2-benzisothiazol-3(2H)-one <0.0006% Cas No. 2634-33-5 H330 / H318 / H315 / H317
- 5-chloro-2-methy-3(2H)-isothiazolone / 2 – methyl3(2H)-isothiazolone (3:1) < 0.0000026% H311 / H330 / H314 / H317 / H400 / H410 / H318

Labeling with: EUH208 Contains - 5-chloro-2-methy-3(2H)-isothiazolone / 2 – methyl3(2H)-isothiazolone (3:1) - May cause allergic reaction.**4. FIRST AID MEASURES****Skin contact:** Remove contaminated clothing and wash contaminated skin with soap and water.**Eye contact:** Wash with water for several minutes. If irritation persists seek medical advice.**Inhalation:** Remove the casualty to fresh air.**Ingestion:** Rinse out mouth with water and if conscious drink plenty of water. Seek medical attention.**5. FIRE-FIGHTING MEASURES****Extinguishing media:** Foam, carbon dioxide, powder, and water spray.**Extinguishing media which must not be used for safety reasons:** None known.**Special exposure hazards:** None known.**Special protective equipment for fire-fighters:** Chemical protection suit / gloves / boots and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protection equipment.

Environmental precautions: Do not dispose of into surface water or sanitary sewer system.

Methods for cleaning up: Scrape up excess and dispose of at an approved site.

7. HANDLING AND STORAGE

Handling precautions: Not applicable.

Storage conditions: Store in closed containers between + 5°C and + 30°C in dry conditions. Avoid extremes of temperature.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters: Not applicable.

Engineering measures: Not applicable.

Personal protection equipment:

Respiratory protection: Not applicable.

Hand protection: Gloves.

Eye protection: Goggles.

Skin and body protection: Not applicable.

9. PHYSICAL AND CHEMICAL PROPERTIES

Colour	White
Form	White paint
Odour	Low odour .
pH as supplied	7.2 – 8.2
Boiling point/range	Not determined.
Melting point/range	Not applicable.
Flash point	Not applicable.
Flammability (solid, gas)	Not applicable.
Auto ignition temperature	Not applicable.
Explosive properties	Not applicable.
Oxidizing properties	Not applicable.
Vapour pressure	Not applicable.
Bulk density	1.28 to 1.31 g/cm ³
Solubility:	
Water solubility	Miscible.
Partition coefficient (n-octanol/water)	Not applicable.
Other data	

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Avoid extremes of temperature especially frost and freezing conditions.

Materials to avoid: None, under normal conditions of use.

Hazardous decomposition products: No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

Not Applicable

12. ECOLOGICAL INFORMATION

Not Applicable

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations at approved sites.

14. TRANSPORT INFORMATION

UK road/rail	Not applicable. None hazardous.
IMDG	Not applicable. None hazardous.
ICAO	Not applicable. None hazardous.
ADR	Not applicable. None hazardous.

15. REGULATORY INFORMATION

Supply classification:**Hazard symbol(s):**

May product an allergic reaction.

Trace elements carry the following H-phrases for their bulk material:

H301 H302 H311 H314 H315 H317 H318 H330 H400 H410 H411

Safety phrases:

S2 – Keep out of the reach of children

S23 – Do not breathe vapour/spray.

16. OTHER INFORMATION

Recommended use	Decorative coating with fire retardant properties.
Further information	Consult technical data sheet.
History	
Date of printing	20 March 2019
Date of issue	March 2018
Version	5
Prepared by	Intumescent Systems Limited

The information contained in the Health and Safety Data Sheet is provided in accordance with the requirements of the most recent REACH Regulations. The product should not be used for purposes other than those shown without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. This information contained in the safety data sheet is based on present knowledge and current EU legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.