

TECHNICAL DATA SHEET



ENVIROGRAF®

TD092-ES/VFR W-09-2018

Product Number: 92

ES/VFR White Fire Protection Coating

Description:

ES/VFR/W 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, also EU EN SBI Test to B/S1/d0 of European Standards, EN13505, EN13823:2002 Single Burn and SBI EN11925:2 2002 Ignitability.

Physical Data:

Type:	Water based fire protection product.
Colour:	White
Gloss:	N/A
Specific Gravity:	1.25 to 1.35

Recommendations for Use:

Recommended spreading rate:	10 m ² /ltr
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, 5 and 20 litres available
Remarks:	Frost-free freight and storage. STIR WELL before use
Shelf Life:	12 months in unopened original packaging (Stored between 5 - 30 °C)

Note: Addition of Acticide gives some anti-fungal properties to the coating

APPLICATION DATA SHEET



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AP092-ESVFRW-09-2018

Product Number: 92

ES/VFR White Fire Protection Coating

ES/VFR/W 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, also EU EN SBI Test to A1-B/S1/d0 of European Standards, EN13505, EN13823:2002 Single Burn and SBI EN11925:2 2002 Ignitability.

ES/VFR/W is a water-based product for use externally and internally.
ES/VFR/W is a white coating.

APPLICATION

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 the bottle vigorously to ensure the product is well mixed.

Application onto new wood – ensure the area is dust free. ES/VFRW can be applied by roller, brush or spray. Application – 2 coats at 10 m² per litre, per coat, ensure first coat is thoroughly dry before applying the second coat

Add up to 10% water if spraying this product. The contents must be thoroughly mixed before use. Use a 2.5mm to 3mm nozzle.

Application over existing paint or varnish – ensure the surface is thoroughly clean. Apply one coat of Envirograf® ES/VFR/P clear Primer at 10-12 m² per litre. Then apply ES/VFRW.

ES/VFR/W must have a Top Protective Coating. **IT MUST NEVER BE LEFT OVERNIGHT WITHOUT APPLYING THE TOP COAT.**

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. Proprietary paint / varnish can be used as a final finish if required. 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.

If applying ES/VFR to oak, apply one coat of HW Premier Clear first to seal the wood; as oak has iron in it and ES/VFR being water based, may cause the iron to go black. Product 42 HWAP PRIMER MUST BE APPLIED ON CEDAR.

AVAILABLE TOP COAT

HW ACRYLIC WHITE is a water based acrylic emulsion product, **internal or external** use available in a matt finish.

SAFETY DATA SHEET



ENVIROGRAF®

HS092-ES/VFR/W-09-2018

Product Number: 92

ES/VFR White

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 17) ES/VFR White

*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 17
ES/VFR W

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

PRODUCT NAME:	ES/VFR White
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
- Pyrrithione 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	Explosive properties	Not applicable.
Form	White paint	Oxidizing properties	Not applicable.
Odour	Low odour .	Vapour pressure	Not applicable.
pH as supplied	7.2 – 8.2	Bulk density	1.28 to 1.31 g/cm ³
Boiling point/range	Not determined.	Solubility:	
Melting point/range	Not applicable.	Water solubility	Miscible.
Flash point	Not applicable.	Partition coefficient	Not applicable.
Flammability (solid, gas)	Not applicable.	(n-octanol/water)	
Auto ignition temperature	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	05 September 2018
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
