



Product Number: 103

### ENVIROGRAF® COATING KITS FOR THE RESTORATION OF DOORS

#### **Description:**

Water based clear or white intumescent coating kit for upgrading raised-and-fielded doors to fire door status. Each kit contains ½ litre of primer, 1½ litres of intumescent coating and ½ litre of top coat – enough to cover an area of 6m<sup>2</sup> (depending on the size of the door this may be enough material to cover three to four sides of a door.) Kits can be coloured to BS or RAL colours (extra charge applies.)

#### **Use:**

Only the risk side needs to be coated on room doors and both sides of doors leading onto corridors or at the top of stairs. There is no need to remove any existing paints, varnish or gold leaf; this product can be applied directly over all previous coatings after normal surface washing.

NOTE: Doors must have a minimum 8mm thick fielded area and 28mm thickness stiles and rails. If you are unsure whether your doors are suitable please contact the Technical Department.

#### **Ordering references:**

ES/RFC/CM	Clear matt finish kit
ES/RFC/CS	Clear satin finish kit
ES/RFC/WM*	White matt finish kit
ES/RFC/WS*	White satin finish kit
ES/RFC/WG*	White gloss finish kit

*\*Can be coloured to BS and RAL colours (extra charge applies)*

*Treatment labels are supplied to be fitted to the door spine to declare to Building Control / Fire Officers that upgrade treatment has been performed.*

# SAFETY DATA SHEET



**ENVIROGRAF®**

HS103-03-2019

Product Number: 103

## ENVIROGRAF® COATING KITS FOR THE RESTORATION OF DOORS

### **Description:**

Water based clear or white intumescent coating kit for upgrading raised-and-fielded doors to fire door status.

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

ES/RFC Intumescent coating kit CLEAR

Or

ES/RFC Intumescent coating kit 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 18**

31<sup>st</sup> January 2019 Issue 5

---

**1. IDENTIFICATION OF THE PREPARATION AND COMPANY**

---

<b>PRODUCT NAME:</b>	ES/RFC Clear
<b>MANUFACTURER/SUPPLIER:</b>	Envirograf
<b>ADDRESS:</b>	Envirograf House, Barrestone, Dover, Kent, CT15 7JG
<b>TELEPHONE/FAX/EMAIL:</b>	01304 842555    01304 842666    sales@envirograf.com
<b>EMERGENCY PHONE NUMBER:</b>	01304 842555 (Monday to Friday 8.30 – 5.30)

---

**2. HAZARDS IDENTIFICATION**

---

**Health effects: Main hazard:**



**Signal Word**

Warning

Contains 1,2-benzisothiazol-3(2H)-one and 2-methylisothiazol-3(2h)-one  
MAY PRODUCE AND ALLERGIC REACTION

---

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

---

**Chemical characterization** Aqueous dispersion of a polymer with non-hazardous fire retardant and intumescent additives.

Chemical Name	CAS No.	EINECS Number	%	Classification
1,2-benzisothiazol-3(2H)-one	2634-33-5		< 0.1	H317 May cause an allergic reaction
2-methylisothiazol-3(2H)-one	2682-20-4		< 0.1	H317 May cause an allergic reaction

---

**4. FIRST-AID MEASURES**

---

**Skin contact:** Remove contaminated clothing and wash contaminated skin thoroughly with water. Obtain medical attention if symptoms develop.

**Eye contact:** Wash immediately with copious amounts of water. Seek medical attention if irritation persists.

**Inhalation:** Remove the casualty to fresh air. Obtain medical attention if difficulties persist.

**Ingestion:** If ingested in large amounts then seek medical attention – show the physician this data sheet.

---

**5. FIRE-FIGHTING MEASURES**

---

**Extinguishing media:** Select extinguishing agent appropriate for other materials involved.

**Extinguishing media which must not be used for safety reasons:** None known

**Special exposure hazards:** None known.

**Special protective equipment:** Wear appropriate protective clothing and suitable breathing apparatus.  
**For fire-fighters**

---

## 6. ACCIDENTAL RELEASE MEASURES

---

**Personal precautions:** Wear appropriate protective clothing & ensure standard good working industrial practice.

**Environmental precautions:** Try to prevent the material entering drains or watercourses. Advise Authorities spillage has entered watercourse or sewer or has contaminated soil or vegetation. Dilute as much as possible with water and notify authorities immediately.

**Spillages:** Contain and absorb using earth, sand, cloth or other inert absorbent material.

---

## 7. HANDLING AND STORAGE

---

**Handling precautions:** Wear appropriate protective clothing. Adequate ventilation should be provided if there is risk of mist or aerosol formation.

**Storage conditions:** Store in closed containers between + 5°C and + 30°C in dry conditions. Avoid extremes of temperature. Protect from freezing. Normal ventilation is adequate

---

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

---

### Occupational Exposure Standards

**Personal protection equipment:**

**Respiratory protection:** Not normally required, use in case of insufficient exhaust ventilation or prolonged exposure.

**Hand protection:** Wear impermeable nitrile or rubber gloves.

**Eye protection:** Wear safety goggles.

**Skin and body protection:** Wear suitable overalls. Wash off any splashes immediately. No eating drinking or smoking in the work place. Practice good personal hygiene.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

---

<b>Colour:</b>	White (dries clear)	<b>Explosive properties:</b>	Not applicable.
<b>Form:</b>	Liquid.	<b>Vapour pressure:</b>	Not applicable.
<b>Odour:</b>	Mild.	<b>Bulk density:</b>	1.06 to 1.12g/cm <sup>3</sup>
<b>pH as supplied:</b>	8-9	<b>Solubility:</b>	
<b>Boiling point/range:</b>	~ 100°C.	<b>Water solubility:</b>	Miscible.
<b>Freezing point/range:</b>	~ 0°C.	<b>Partition coefficient:</b>	Not determined.
<b>Flash point:</b>	Not applicable.	<b>(n-octanol/water)</b>	
<b>Flammability (solid, gas):</b>	Not applicable.	<b>Other data:</b>	-
<b>Autoignition temperature:</b>	Not applicable.		

---

## 10. STABILITY AND REACTIVITY

---

<b>Stability</b>	Stable under normal conditions.
<b>Materials and Conditions to avoid</b>	No hazardous reactions when stored and handled to prescribed instructions.
<b>Hazardous decomposition products</b>	No decomposition if stored and applied as directed. Thermal decomposition may generate oxides of carbon and phosphorus.

---

---

## 11. TOXICOLOGICAL INFORMATION

---

**Mono-propylene glycol methyl ether**

**Acute Toxicity:**

**Reproduction toxicity:**

---

## 12. ECOLOGICAL INFORMATION

---

Do not allow product to enter soil, waterways or waste water.

**Information on components:**

---

## 13. DISPOSAL CONSIDERATIONS

---

**Product:** Recommended disposal of this product is in accordance with local regulations at approved sites. Incineration is suitable.

**Uncleaned packaging:** Contaminated packaging should be emptied as far as possible and after cleansing may be reused. Packaging that cannot be cleaned should be disposed of as product waste.

---

## 14. TRANSPORT INFORMATION

---

**UN Class:** This product is not classified as dangerous goods under the United Nations Transport Recommendations.

<b>UN Packing group</b>	No special requirements.
<b>ADR</b>	Not regulated for transport.
<b>RID</b>	Not regulated for transport.
<b>IMDG</b>	Not regulated for transport.
<b>IATA</b>	Not regulated for transport.

**Further information:** Dispatch by post permitted.

---

## 15. REGULATORY INFORMATION

---

**Labelling / Supply classification** No classification required according to directive 67/548/EEC, Directive 1999/45/EC and further amendments and adaptations.

**National regulations:** Water Hazard Class (Ger.): 2 (according to VwVwS, 17.05.199)

<b>Safety phrases</b>	S2 – Keep out of the reach of children S23 – Do not breathe vapour/spray.
-----------------------	--

---

## 16. OTHER INFORMATION

---

<b>Recommended use</b>	Coating with fire retardant / intumescent properties.
<b>Further information</b>	Consult technical data sheet.
<b>H-Phrase from section 3</b>	H317 May cause an allergic reaction

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.

# HEALTH & SAFETY INFORMATION SHEET

## APPENDIX 17

20<sup>th</sup> March 2018

---

### 1. IDENTIFICATION OF THE PREPARATION AND COMPANY

---

PRODUCT NAME: ES/RFC White  
MANUFACTURER/SUPPLIER: Envirograf  
ADDRESS: Envirograf House, Barrestone, 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) < 0.000026% 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

---

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

---

## 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 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.



# APPLICATION DATA SHEET



**ENVIROGRAF®**

AP103-07-2019

Product Number: 103

## ENVIROGRAF® COATING KITS FOR THE RESTORATION OF DOORS

**A COATING KIT FOR UPGRADING RAISED & FIELDDED AND  
LEDGED & BRACED DOORS TO 30 & 60 MINUTES FIRE PROTECTION**

### FOR 30 MINUTE PROTECTION

#### **RAISED & FIELDDED DOORS**

Doors must have stiles and rails from 30mm to 40mm thick, with panels no less than 8 mm thick on the fielded area.

#### **LEDGED & BRACED OR BRACED T & G DOORS**

The T & G boards must have a minimum thickness of 23mm and the braced area must have a minimum thickness of 25mm.

### FOR 60 MINUTES PROTECTION

#### **RAISED & FIELDDED DOORS**

Doors must have stiles and rails at a minimum of 44mm thick, with panels no less than 12-14mm thick on the fielded area.

#### **LEDGED & BRACED OR BRACED T & G DOORS**

The T & G boards must have a minimum thickness of 30mm and the braced area must have a minimum thickness of 35mm.

### **APPLICATION**

Each kit has sufficient materials to cover an area of 6 m<sup>2</sup> or 3-4 single sides of doors, according to the size of the door. Use approximately ½ litre of Intumescent coating on each side of the door. Ensure that the whole face side of a raised & fielded door or ledged & braced T & G door is treated. If the door opens on to an escape corridor then you must treat the whole face on both sides of the door.

### **VARNISHED DOORS – EXISTING OR NEW**

1 coat	ES/RFC Clear Adhesion Primer	@ 10-12m <sup>2</sup> per litre
2 coats	ES/RFC Clear Intumescent Coating	@ 8-10m <sup>2</sup> per litre, per coat
1 coat	ES/RFC Clear Top Coat	@ 12m <sup>2</sup> per litre (Matt, Satin, Gloss)

## **PAINTED DOORS – EXISTING OR NEW**

1 coat	ES/RFC Clear Adhesion Primer	@ 10-12m <sup>2</sup> per litre
2 coats	ES/RFC White Intumescent Coating	@ 10m <sup>2</sup> per litre, per coat
1 coat	ES/RFC Top Coat	@ 12m <sup>2</sup> per litre (Matt, Satin, Gloss)

The above products are water based, as detailed in the references below.

### **ORDERING**

ES/RFC/CM	Clear	Matt	Water Based	with Top Coat
ES/RFC/CS	Clear	Satin	Water Based	with Top Coat
ES/RFC/MM	White	Matt	Water Based	with Top Coat
ES/RFC/MS	White	Satin	Water Based	with Top Coat
ES/RFC/MG	White	Gloss	Water Based	with Top Coat

Each clear kit contains: ½ litre Primer, 1½ litre Intumescent Coating and ½ litre Top Coat.

Each white kit contains: ½ litre Primer, 1½ litre Intumescent Coating and ½ litre Top Coat.

### **TOOLS**

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