

# TECHNICAL DATA SHEET



**ENVIROGRAF®**

TD105-10-2019

## Product Number: 105 – EP/CP

### **Description:**

A white aqueous dispersion coating, offering protection to plasterboard, lath-and-plaster ceilings of various thicknesses, coving & concrete ceilings and walls. The coating fire protects and insulates the concrete and also insulates the steel work within the layer of concrete. The coating develops a micro porous intumescent layer with a smooth decorative finish. When attacked by fire, the intumescent material protects the coated area's integrity and insulation. Please note that lath-and-plaster ceilings must have sound plaster adhered to the laths. If the plaster is sagging, DO NOT USE PRODUCT 105. Instead, use Product 53 – Under-Floor Fire Barrier instead.

### **Availability:**

Colour Range: Ask for details  
Sizes: 1, 2.5, 5, 20 litres

### **Material Specification:**

Physical state: A slightly textured low viscosity paste.  
Odour: Slight.  
Specific Gravity at 20°C: 1.25 to 1.35.  
Solubility in water: Completely soluble.  
Storage: Store in closed containers between +5°C and +30°C.

### **Coating System:**

Application to 9mm or 12½mm thick plasterboard, 18mm & thicker lath-and-plaster walls and ceilings 2 coats @ 8m<sup>2</sup> per litre per coat to achieve 1 hour integrity and insulation. For concrete walls apply 3 coats @ 8m<sup>2</sup> per litre per coat to achieve 2 hours fire protection.

### **Cleaning:**

Wash tools with clean water immediately after use.

### **Preparation & Application**

Clean all walls or ceilings, taking off any loose paint and removing all wall or ceiling paper. Any grooves or cracks in the ceiling or walls can be made good with Envirograf® Intumescent Cement – Product 63 or AM Intumescent Mastic – Product 58.

Should it be found that EP/CP will not adhere to the existing coating, then either apply a PVA Adhesive Coating at a 50/50 ratio of adhesive to water, or apply 1 coat of Envirograf® HWAP Adhesion Primer at 14 m<sup>2</sup> per litre. Then apply 2 coats of EP/CP at the rate of 8 m<sup>2</sup> per litre, per coat.

The approximate drying time is 1 hour.

EP/CP is a smooth coating, but if you require a comb finish or a stippled look, then apply 1 coat of EP/CP at 8 m<sup>2</sup> per litre, followed by 1 coat of AB – Product 96 – this is a thicker version of EP/CP, which can be comb finished.

If you wish to overcoat EP/CP use any make of external smooth acrylic emulsion or Envirograf® HW/AEC acrylic coating at 10 m<sup>2</sup> per litre per coat. This can be coloured and is available in matt finish.

For walls: Apply using a good quality fine filament synthetic brush or medium pile woven roller.

For airless spray: Dilution may be required.

Nozzle: Number 13-15\* (0.0013-0.0015)  
Pressure: 150 bar

For further information contact the Technical Department.

### **Health & Safety:**

Please refer to health & safety data sheet.

### **Test Details:**

	<u>Integrity</u>	<u>Insulation</u>
Warrington – 165449	62 Minutes	62 Minutes
Lafarge – LPL 159	72 Minutes	71 Minutes
In House Testing to BS 476	68 Minutes	68 Minutes

(Concrete Lintel with steel rods through middle).