

M60 PAINTING/ CLEAR FINISHING

To be read with Preliminaries/ General conditions.

COATING SYSTEMS

100 INTUMESCENT COATING TO FIRST AND SECOND FLOOR CEILINGS WHERE EXISTING CEILING FINISHES DO NOT ACHIEVE FD/30. SECOND FLOORS
NOTE: EXISTING FIRST FLOOR CEILING TO RESTAURANT AND KITCHEN IS COMPARTMENT CEILING AS EXISTS.

- Manufacturer: Envirograf or similar approved
 - Product reference: **TD105-EPCP PRIMER / TD105-EPC-O5** or Equal
- Surfaces: plasterboard & lath plaster ceilings
 - Preparation: existing ceilings have been patched with plaster / plasterboard. Any loose plasterboard / laths to be repaired replaced and treated with 1 coats primer **TD105-EPCP PRIMER** as manufacturers instructions.
- Initial coats:
 - Type: **full**
 - Number of coats: **1 Coat**
- Finishing coats:
 - Type: **vinyl Silk as 110**
 - Number of coats: **2 coats Brilliant white**

110 EMULSION PAINT to WALLS & CEILINGS

- Manufacturer: Dulux / Johnstone's or similar approved
 - Product reference: **Dulux Trade vinyl silk** or Equal
- Surfaces: plasterboard & wall linings
 - Preparation: 2 coats Gyproc Drywall sealer / as clause 400
- Initial coats:
 - Type: **Mist**
 - Number of coats: **1 Coat**
- Finishing coats:
 - Type: **vinyl Silk**
 - Number of coats: **2 coats Brilliant white**

150 EGGSHELL/ SATIN PAINT

- Manufacturer: Dulux / Johnstone's or similar approved
 - Product reference: **Dulux Trade Eggshell Finish** or Equal
- Surfaces: All surfaces within lift lobby / S/W timber and flush faced doors / skirtings / windowboards, etc
 - Preparation:
- Initial coats:
 - Type: **Dulux Trade primer** or Equal
 - Number of coats: **1 coat**
- Finishing coats:
 - Type: **satin / eggshell**
 - Number of coats: **2 coats Brilliant white**

160 DECORATIVE WOODSTAIN/ VARNISH/ PRESERVATIVE

- Manufacturer: Dulux, Johnstone's or similar approved
 - Product reference: **Dulux Trade Quick Drying Varnish** or Equal
- Surfaces: Existing wood
 - Preparation: As clause 440
- Initial coats:
 - Type: **Quick Drying Varnish**

- Number of coats: 2 coats – sanded along the grain between coats
- Finishing coats:
 - Type: **Quick Drying Varnish**
 - Number of coats: 1 coat

170 MASONRY COATING

- Manufacturer: **Dulux / Johnstone's or similar approved**
- Product reference: Weathershield Smooth Masonry Paint or Equal
- Preparation: as clause 440
- Initial coats:
 - Type: **Gyproc Drywall sealer** or Equal
 - Number of coats: **2 coats**
- Finishing coats:
 - Type: **Smooth Finish Masonry Paint**
 - Number of coats: **2 coats Brilliant white**

GENERALLY

210 COATING MATERIALS

- Manufacturer: Obtain coatings from one of the selected manufacturer: Submit name before commencement of coating work.

215 HANDLING AND STORAGE

- Coating materials: Deliver in sealed containers, labelled clearly with brand name, type of material and manufacturer's batch number.
- Materials from more than one batch: Store separately. Allocate to distinct parts or areas of the work.

240 SURFACES NOT TO BE COATED

- _____ .

250 SURFACES TO BE CLEANED BUT NOT COATED

- _____ .

280 PROTECTION

- 'Wet paint' signs and barriers: Provide where necessary to protect other operatives and the general public, and to prevent damage to freshly applied coatings.

PREPARATION

400 PREPARATION GENERALLY

- Standard: To BS 6150, Section 4.
- Preparation materials: Types recommended by their manufacturers and the coating manufacturer for the situation and surfaces being prepared.
- Substrates: Sufficiently dry in depth to suit coating.
- Efflorescence salts: Remove.
- Dirt, grease and oil: Remove.
 - Give notice if contamination of surfaces/ substrates has occurred.
- Joints, cracks, holes and other depressions:
 - Fill with stoppers/ fillers. Work well in and finish off flush with surface.
 - Abrade to a smooth finish.
- Water based stoppers and fillers:
 - Apply before priming unless recommended otherwise by manufacturer.
 - If applied after priming: Patch prime.
- Oil based stoppers and fillers: Apply after priming.

- Surface irregularities: Abrade to a smooth finish.
 - Dust, particles and residues from abrasion: Remove.
 - Doors, opening windows and other moving parts:
 - Ease before coating.
 - Prime resulting bare areas.
- 420 FIXTURES AND FITTINGS
- Before commencing work: Remove the following:
Any fixed items.
 - On completion of coating work: Refix.
- 425 IRONMONGERY
- Before commencing work: Remove ironmongery from surfaces to be coated.
 - Hinges: Do not remove.
 - On completion of coating work: Refix.
- 430 EXISTING IRONMONGERY
- General: Remove old coating marks. Clean and polish.
- 440 PREVIOUSLY COATED SURFACES GENERALLY
- Preparation standard: To BS 6150, Section 6.
 - Removing coatings: Do not damage substrate and adjacent surfaces or adversely affect subsequent coatings.
 - Loose, flaking or otherwise defective areas: Carefully remove to a firm edge.
 - Alkali affected coatings: Completely remove.
 - Discovery: Give notice of:
 - Coatings suspected of containing lead.
 - Substrates suspected of containing asbestos.
 - Significant rot, corrosion or other degradation of substrates.
 - Retained coatings:
 - Thoroughly clean to remove dirt, grease and contaminants.
 - Gloss coated surfaces: Abrade to provide a key.
 - Partly removed coatings:
 - Additional preparatory coats: Apply to restore original coating thicknesses.
 - Junctions: Abrade to give a flush surface.
 - Completely stripped surfaces: Prepare as for uncoated surfaces.
- 461 PREVIOUSLY COATED TIMBER
- Degraded or weathered surface timber: Abrade to remove.
 - Degraded substrate timber: Repair with sound timber of same species.
 - Exposed resinous areas and knots: Apply two coats of knotting.
- 471 PREPRIMED TIMBER
- Defective primer: Abrade back to bare timber.
 - Bare areas: Reprime.
- 481 UNCOATED TIMBER
- General: Abrade to a smooth, even finish with arrises and moulding edges lightly rounded or eased.
 - Heads of fasteners: Countersink sufficient to hold stoppers/ fillers.
 - Resinous areas and knots: Apply two coats of knotting.
 - Primer: Apply as soon as possible.
- 570 UNCOATED MASONRY/ RENDERING
- Loose and flaking material: Remove.
- 580 UNCOATED PLASTER
- Nibs, trowel marks and plaster splashes: Scrape off.

- Overtrowelled 'polished' areas: Abrade lightly.
- 590 UNCOATED PLASTERBOARD
- Depressions around fixings: Fill with stoppers/ fillers.
- 601 UNCOATED PLASTERBOARD - TO RECEIVE TEXTURED COATING
- Joints: Fill, tape and feather out with materials recommended by textured coating manufacturer.
- 611 WALL COVERINGS
- Retained wall coverings: Check that they are in good condition and well adhered to substrate.
 - Previously covered walls: Wash down to remove paper residues, adhesive and size.
- 622 ORGANIC GROWTHS
- Loose growths and infected coatings: Scrape off and remove.
 - Treatment biocide: Apply appropriate solution to growth areas and surrounding surfaces.
 - Dead growth: Scrape off and remove.
 - Residual effect biocide: Apply appropriate solution to inhibit re-establishment of growths.
- 631 PREVIOUSLY PAINTED WINDOW FRAMES
- Paint encroaching beyond glass sight line: Remove.
 - Loose and defective putty: Remove.
 - Putty cavities and junctions between previously painted surfaces and glass: Clean thoroughly.
 - Finishing:
 - Patch prime, reputty and allow to set.
 - Seal and coat as soon as sufficiently hard.
- 640 EXTERNAL POINTING TO EXISTING FRAMES
- Defective sealant pointing: Remove.
 - Joint depth: Approximately half joint width; adjust with backing strip if necessary.
 - Preparation and application: As section Z22.
 - Sealant:
 - Manufacturer: _____.
 - Product reference: _____.
- 645 POINTING TO INTERNAL MOVEMENT JOINTS
- General: Apply to junctions of walls and ceilings with architraves, skirtings and other trims.
 - Preparation and application: As section Z22.
 - Sealant: Water based acrylic.
 - Manufacturer: _____.
 - Product reference: _____.

APPLICATION**711 COATING GENERALLY**

- Application standard: To BS 6150, Section 5.
- Conditions: Maintain suitable temperature, humidity and air quality during application and drying.
- Surfaces: Clean and dry at time of application.
- Thinning and intermixing of coatings: Not permitted unless recommended by manufacturer.
- Overpainting: Do not paint over intumescent strips or silicone mastics.
- Priming coats:
 - Thickness: To suit surface porosity.
 - Application: As soon as possible on same day as preparation is completed.
- Finish:
 - Even, smooth and of uniform colour.
 - Free from brush marks, sags, runs and other defects.
 - Cut in neatly.

730 WORKSHOP COATING OF CONCEALED JOINERY SURFACES

- General: Apply coatings to all surfaces of components.

731 SITE COATING OF CONCEALED JOINERY SURFACES

- General: After priming, apply additional coatings to surfaces that will be concealed when fixed in place.
 - Additional coatings: _____.
 - Components: _____.

751 STAINING TIMBER

- Primer: Apply if recommended by stain manufacturer.
- Stain:
 - Apply in flowing coats.
 - Brush out excess stain before set.
 - Produce uniform depth of colour.

760 VARNISHING TIMBER

- First coat:
 - Thin with white spirit.
 - Brush well in and lay off avoiding aeration.
- Subsequent coats: Rub down lightly between coats along the grain.

770 EXTERNAL DOORS

- Bottom edges: Prime and coat before hanging doors.

780 BEAD GLAZING TO COATED TIMBER

- Before glazing: Apply first two coats to rebates and beads.

790 PUTTY GLAZING

- Setting: Allow putty to set for seven days.
- Sealing:
 - Within a further 14 days, seal with an oil based primer.
 - Fully protect putty with coating system as soon as it is sufficiently hard.
 - Extend finishing coats on to glass up to sight line.

General Painting Specification

The contractor is required to use products from the Dulux/Blundell Permaglaze range unless specifically authorised by the SO after application from the contractor in writing.

All redecorations are to be carried out strictly in accordance with the preambles and all manufacturer's directions.

Redecorations to the property are generally to be carried out to all surfaces that have been previously decorated. Preparation of all substrates are particularly important due to the failure of previous paint finishes. In accordance with the preliminaries the contractor is to allow for limited burning off of defective paintwork to selected areas in order to provide a clean and sound surface for redecoration. Under no circumstances should the contractor prepare and paint surfaces unsuitable or unsound for painting.

Easing and adjusting of all doors and windows should be carried out before and after painting allowing for re-attendance after one month from the contract completion date for general easing and adjusting, sanding down and touching in of all disturbed paint to all windows and doors.

Masonry:

To all previously painted render, stonework, brickwork, etc, remove all oil based paint in poor condition including to scrape back to existing sound base all defective and poorly adhered coatings. Where particularly bad the contractor is required to carry out limited burning off to provide a sound base from which to decorate. Wash down all existing surfaces to remove dirt and sand down to provide a mechanical key for new paintwork.

Make good all cracks and imperfections with a sand/cement mix of Permaglaze exterior grade filler. Where shallow surface imperfections in existing render are present these should be hatched to provide a mechanical key to prior to face filing and bringing forward to the level of the surrounding surface. Allow for all fillers and making good materials to dry out thoroughly prior to attempting any further redecoration. Where necessary the contractor is to allow for physical protection to the surfaces to facilitate continuation of painting trades.

Any new areas of stonework, renderwork or bare areas of existing renderwork shall be primed Dulux/Blundell Permaglaze alkali resisting masonry primer.

Surfaces contaminated with mould/vegetable growth shall be treated with Micatex fungicidal treatment. Where necessary a second treatment should be allowed for to provide a suitable surface for decoration.

Apply two coats Micatex smooth masonry paint. Allow as necessary for additional undercoat where previous paint coverings have been completely removed. The contractor is to allow for two colour work to street elevations.

Woodwork:

Thoroughly clean down all bare wood and ensure this is dry. Round off any sharp edges. Rub down with fine glass paper to a smooth surface and dust off. Remove all defective coatings and damaged glazing compounds and cut out and replace any defective wood. Scarf in new repair with pre-primed timber and plane off. Remove friable surface of denatured timber and treat with penetrating wood sealer. Knots should be treated in the same way. Large or resinous knots should be cut out, plugged and planed to a smooth surface.

Prime all bare areas of timber with wood primer including to bring forward to surrounding level.

Make good all nail holes open joints and open grain with exterior flexible joint filler according to manufacturer's instructions, but generally cut out and make timber repairs.

Allow for making good to dry before sandpapering to a smooth finish. Repair all glazing compounds and allow to harden. Bring forward and make good all areas with one coat Permaglaze undercoat.

Apply two coats Permaglaze high gloss allowing to rub down between coats.

Metalwork:

De-grease all existing metalwork to include pipework and railings with suitable oil and grease remover as required. Include to remove all mill scale rust, and other contaminants using wire brushes and remove all signs of corrosion. Spot prime all bare metal with one coat Dulux/Permaglaze rust inhibiting primer. Apply one coat Dulux/Permaglaze undercoat and one coat Dulux/Permaglaze gloss finish.

Rust patches to weathered galvanised iron should be removed by wire brush or abrasive disc and dusted down. The surface should be thoroughly clean to remove any contamination with reduced Dulux/Permaglaze standard thinners or white spirit. Remove final traces with water rinsable degreasant and apply one coat wood Dulux/Permaglaze wood and metal primer prior to one coat undercoat and one coat gloss.

SAFETY DATA SHEET



ENVIROGRAF®

HS105-EP/CP-07-2023

Product Number: 105

EP/CP

Description:

A white or coloured aqueous dispersion coating, offering protection to plasterboard and lath-and-plaster ceilings of various thicknesses. It develops a microporous intumescent layer with a smooth decorative finish. When attacked by fire, the intumescent material protects the coated area's integrity and insulation for a period in excess of one hour. Envirograf® Product 92 (ES/AEC acrylic emulsion coating) can be applied over the smooth coating.

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

- (Appendix 17) EP/CP

*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
EPCP

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

PRODUCT NAME:	EP/CP
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**Hazard pictogram:**

Warning

Hazard statement:

1.3.5-Triazine-2.4.6-Triamine. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.

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.

1,3,5-Triazine-2,4,6-Triamine. <9.7% Cas No. 290-87-9 H351/H373 – Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.

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

Risk phrases:

-

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 July 2023
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.

SAFETY DATA SHEET



ENVIROGRAF®

HS105-EPCP P-01-2020

Product Number: 105

EP/CP/P Water Based Primer

Description:

EP/CP/P adhesion primer is a water-based clear primer to apply over existing painted or varnished surfaces before applying other coatings.

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

- (Appendix 53) EP/CP/P PRIMER

*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 16
EP/CP/P

Issue 3 October 2018

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT NAME:	EP/CP Primer
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)

2. HAZARDS IDENTIFICATION

Hazard Symbol: EUH208 May produce allergic reaction



HEALTH EFFECTS:

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.

Chemical Name	CAS No.	EC Number	%	Classification
2-Methylisothiazol-3(2H)-one	2682-20-4		<0.0056%	H330/H318/H411/H317
Pyrithione Zinc	13463-41-7		<0.0056%	H301/H330/H318/H400/H410
1-2-benzisothiazol-3(2H)-one	2634-35-5		<0.0056%	H330/H318/H400/H411/H302/H315/H317

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:	Milky White/Yellow
FORM:	Milky White/Yellow Liquid
ODOUR:	Slight.
pH AS SUPPLIED:	7 - 8
BOILING POINT/RANGE:	Not applicable.
MELTING POINT/RANGE:	Not applicable.
FLASH POINT:	Not applicable.
FLAMMABILITY (SOLID, GAS):	Not applicable.
AUTOIGNITION TEMPERATURE:	Not applicable.
EXPLOSIVE PROPERTIES:	Not applicable.
OXIDIZING PROPERTIES:	Not applicable.
VAPOUR PRESSURE:	Not applicable.
BULK DENSITY:	1.0 – 1.1 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): EUH208 May produce allergic reaction



16. OTHER INFORMATION

RECOMMENDED USE: Adhesion Primer for wood - undercoat for wood paints and varnishes.

FURTHER INFORMATION: Consult technical data sheet.

H-PHRASE FROM SECTION 3: Trace amounts of biocide in the product carry the following H-Phrases in their raw forms: H301/H330/H318/H400/H411/H302/H315/H317

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.

TECHNICAL DATA SHEET



ENVIROGRAF®

TD105-05-2023

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 lathe-and-plaster walls and ceilings 2 coats @ 8m² per litre per coat to achieve 1 hour integrity and insulation. For concrete walls apply 3 coats @ 8m² 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® EP/CP/P Adhesion Primer at 14 m² per litre. Then apply 2 coats of EP/CP at the rate of 8 m² per litre, per coat.

The approximate drying time is 1 hour.

If you wish to overcoat EP/CP use any make of external smooth acrylic emulsion or Envirograf® HW/AEC acrylic coating at 10 m² 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).



Product Number: 105

EP/CP/P Water Based Primer

Description:

EP/CP/P adhesion primer is a water-based clear primer to apply over existing painted or varnished surfaces before applying other coatings.

Material Specification:

Composition of EP/CP/P:	Water based polymer system with additives to improve compatibility with various substrates.
Specific Gravity:	1.04 – 1.05
Tack Free Time:	20 – 50 Minutes depending on temperature & humidity.
Colour:	Yellow Suspension – Dries Clear.
Storage:	12 Months in unopened original packaging

Ordering references:

EP/CP/P + size required. Available in 1 litre, 2.5 litre and 5 litre cans (See price list for full details)