

APPLICATION DATA SHEET



ENVIROGRAF®

AP046-02-2019

Product Number: 46

Acrylic Thixotropic Adhesive (IA)

DESCRIPTION

Specially designed adhesive for bonding paper, card, wood, foams, coated glass cloth, polystyrene, vinyl's, foils, etc., to each other and most construction materials in fire resistant / retardant applications.

SPECIAL FEATURES

The solvent free adhesive has very little odour and is supplied ready to use. The adhesive will adhere to most substrates to give a strong and flexible bond and will not affect surfaces sensitive to solvent attack. The adhesive may also be used on damp substrates without affecting the strength of the final bond. For easier application, the adhesive is available in 310 ml cartridges, ½ litre, 1 litre, 2½ litre and 5 litre tins.

COLOUR

White.

APPLICATION

Surfaces should be cleaned prior to application to ensure good bond results. If applying to wood, rub down with glass paper, dust off to give a 'KEY' for the adhesive. Apply evenly to both surfaces with a comb applicator and press the surfaces together. Rub down with a small wallpaper roller to make sure it has a good adhesion. Wipe off any excess using a damp sponge. Check assembly after 20 minutes, in case of movement. Tools can be cleaned in warm water.

TYPICAL USES

A specifically designed adhesive for use with fire resistant / retardant assemblies on walls, floors and ceilings.

COMPOSITION:	Water based polymer system with inert fillers.
SPECIFIC GRAVITY:	1.40 to 1.43g/cm ³
TACK FREE TIME:	5 – 10 minutes, depending on thickness, room temperature and humidity.
FULL CURE:	Approximately 24 hours. Full bond strength after 48 hours.

STORAGE

Twelve months in unopened original packaging.
Store between +5°C to +30°C.
Protect from frost.

HAZARDS

None, IA Adhesive is a water-based polymer adhesive. Take precautions as with other water based adhesives. Once dry, it is not affected by moisture.

SAFETY DATA SHEET



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HS046-02-2019

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Acrylic Thixotropic Adhesive (IA)

Description:

Specially designed adhesive for bonding paper, card, wood, foams, coated glass cloth, polystyrene, vinyl's, foils, etc., to each other and most construction materials in fire resistant / retardant applications.

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

- Appendix 11 (IA Adhesive)

*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 11
IA INTUMESCENT ADHESIVE

14th April 2015 ISSUE 2

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT NAME: IA Adhesive
MANUFACTURER/SUPPLIER: Envirograf
ADDRESS: Envirograf House, Barfrestone, Nr Dover, Kent, CT15 7JG
TELEPHONE / FAX / EMAIL: 01304 842555 01304 842666 sales@envirograf.com
EMERGENCY PHONE NUMBER: 01304 842555

2. HAZARDS IDENTIFICATION

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

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: Avoid contact with skin and eyes.

STORAGE CONDITIONS: Store in closed containers between + 5°C and + 30°C in dry conditions. Avoid extremes of temperature. Protect from frost.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS: Not applicable.

ENGINEERING MEASURES:

PERSONAL PROTECTION EQUIPMENT:

RESPIRATORY PROTECTION: Not applicable.

HAND PROTECTION: Gloves.

EYE PROTECTION: Goggles.

SKIN AND BODY PROTECTION: Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

COLOUR: White.
FORM: High viscosity gel / paste.
ODOUR: Slight.
PH AS SUPPLIED: 7.0 to 8.5
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.
OXIDISING PROPERTIES: Not applicable.
VAPOUR PRESSURE: Not applicable.
BULK DENSITY: 1.40 to 1.43g/cm³
SOLUBILITY:
WATER SOLUBILITY: Miscible.
PARTITION COEFFICIENT: Not applicable.
(n-octanol/water)
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): None.

RISK PHRASES: Irritating to eyes and skin.

SAFETY PHRASES: Avoid contact with skin and eyes.

Wear suitable protective clothing, gloves and eye/face protection.

16. OTHER INFORMATION

RECOMMENDED USE: Adhesive for use with fire retardant / resistant assemblies.

FURTHER INFORMATION: Consult technical data sheet.

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TECHNICAL DATA SHEET



ENVIROGRAF®

TD046-02-2019

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Description:

Specially designed adhesive for bonding paper, card, wood, foams, coated glass cloth, polystyrene, vinyl's, foils, etc., to each other and most construction materials in fire resistant / retardant applications.

The adhesive can be supplied in containers ranging from 310ml Tubes to 5 Litre tins

Application:

Surfaces should be cleaned prior to application to ensure good bond results. If applying to wood, rub down with glass paper, dust off to give a 'KEY' for the adhesive. Apply evenly to both surfaces with a comb applicator and press the surfaces together. Rub down with a small wallpaper roller to make sure it has a good adhesion. Wipe off any excess using a damp sponge. Check assembly after 20 minutes, in case of movement. Tools can be cleaned in warm water.

Material Specification:

This product is a Water based polymer system with inert fillers

Colour:	White
Specific Gravity:	1.40 to 1.43g/cm ³
Tack Free Time:	5-10 Minutes depending on the thickness, room temperature and humidity
Full Cure:	Approximately 24 Hours. Full bond strength after 48 hours

Test Details:

	<u>Integrity</u>	<u>Insulation</u>
LPC - TE 89143	125 Minutes	N/A
LPC - TE 92650	62 Minutes	55 Minutes