

COSHH

Product Name – Airtec Double Foil Bubble (grade 2920)

Hazard Classification – Non hazardous

Components and Approximate Proportions – Aluminium foil (12%) Polythene (88%)

Health Hazard Information

Route	Effect	Treatment
Inhalation (particles)	Not applicable	-
Inhalation (decomposition or combustion products)	Possible nausea, dizziness or breathing difficulties	If breathing difficulties occur move victim to fresh air. Consult doctor if required
Ingestion	Very unlikely. Biologically inert.	Consult Doctor
Eye contact	Not applicable	-
Skin contact	No known hazard at room temperature. When burning will melt and can adhere to skin	Do not remove melted material – flush with cold water. Cover burns with sterile dressing and obtain medical advice.

Handling Precautions – No special precautions. If surfaces become wet then they can be slippery.

Fire Hazards – No special precautions. If surfaces become wet then they can be slippery.

Unusual hazards – Material is combustible. The material will melt and flaming molten material will spread fire.

Combustion Products

Polythene melts at 105C-125C. Decomposes over 300C to give carbon monoxide and some aldehydes (acid smell). Burns to give mainly carbon dioxide and black smoke.

Flash Point – Not applicable

Extinguisher type – Water, carbon dioxide, or foam may be used.

Autoignition temperature – Not applicable.

Waste Disposal

Scrap LDPE is not classified as ‘notifiable waste’ under the Disposal of Poisonous wastes Act 1972, and may be disposed of by landfill or by incineration in compliance with Local Authority Control of Pollution Act 1974, material is not biodegradable.

Storage – Store rolls on ends. Store away from other flammable materials.

Emergency Telephone no. – Medway (01634) 292700

Health and safety guide to aluminium tapes

General

Our products are considered generally safe and inert, and no hazards are anticipated provided good standards of industrial hygiene and housekeeping are observed.

Composition

These products are normally supplied in the form of rolls of adhesive coated Aluminium,. Individual products differ, but the adhesive generally contains one or more of the following: Acrylates, Rubbers, Resins, E.V.A's, waxes, Plasticisers, Fillers, plus other additives.

Storage

It is recommended that these products be stored out of direct sunlight at temperatures between five and thirty degrees centigrade.

Handling precautions

Due regard should be given to the possibility of static build up within the rolls and their particular applications especially where flammable solvents are used or stored.

Finger damage is always a risk when aluminium foil and paper products are decoiled or applied. The use of lightweight leather gloves is recommended. Discarded release paper is a slip hazard and must not be left on any floor space but disposed of together with spent cores into suitable waste containers.

Fire

Products will burn in the event of contact with a flame, resulting in smoke and harmful fumes. Fires may be extinguished with Carbon Dioxide, foam or dry powder. Films and adhesive may drip before burning, this may cause severe burns if skin contact is made. Do not attempt to remove adhesive, but cool down rapidly in water and seek medical advice.

Health

Under normal conditions of handling, no hazards are anticipated but good industrial hygiene should always be observed, allergic reactions are unlikely but, should they occur, that individual should be removed from contact.

For specialised applications, for example food, toy or surgical use advice should be sought from A.S.L

Waste Disposal

Products should be disposed of on all legal tip in compliance with local and national regulations (U.K. – deposit of poisonous waste act 1972) and control pollution act (1974).

Important

This information is based on our best current knowledge and is intended as a general guide to product performance.

It is not a warranty or specification, and customers must determine that the material is suitable for their particular purpose before use.

Therma-Close and Type R all purpose Cavity Closures are manufacture by Yorkshire Building Services (Whitwell) Ltd.

D.P.C's are covered by BS 6515

X.P.S. (extruded polystyrene) to BS 3837 Part 4 1990

1. Q. List of chemicals which cold impair material.
 - A. Styrofoam is manufacture from polystyrene and when brought into account with solvents will suffer from solvent attack. Therefore Styrofoam should not be brought into contact with materials such as coal, tar and derivatives (creosote etc) paint thinner, organic solvents, esters, amines, oils petrol and aromatic hydrocarbons (EG toluene etc). It is compatible with most commonly found building materials such as timber, concrete, masonry, plaster, UPVC, asphalt, bitumen etc.
2. Q. Occupational exposure limits for each component.
 - A. None – X.P.S is non-toxic and non-irritant
3. Q. Details of any known synergistic reactions with other substances.
 - A. None known
4. Q. Recommended procedures in the event of an emergency, e.g. fire spillage or toxicity.
 - A. Only fire applies to X.P.S. is a combustibile material to BS476: Part4. Type A (flame retardant additive) is specially formulated to restrict the extent of burn when tested to BS4735: 1974 and is classified P, not easily ignitable, when tested to BS476 : {Part 5 : 1979. For fire characteristics and fire performance of X.P.S please refer to BS6203: 1982. Should a fire occur, normal evacuation procedures should be carried out.
5. Q. Result of any relevant tests.
 - A. See 4 above.
6. Q. Any information on measure levels of exposure of operators using this substance.
 - A. No restrictions known

Airtec single FR 2910

Airtec Single FR 2910 is a multi-layer air-bubble film insulation with aluminium foil bonded to one face. It is an effective insulation material, which acts by trapping air within its structure and by the low emissivity surface which, in conjunction with an airspace on the face of the material enormously reduces heat losses due to thermal radiation. The material is waterproof and will act as an effective vapour barrier if all joints are sealed

Construction

A laminated structure with

Bright aluminium foil for excellent reflective insulation and a good barrier to moisture vapour

Low density polythene air bubble film construction for air entrapment and rigidity to assist installation

Contains an effective flame retardant additive blend to reduce the ignitability of the polythene film layers

Dimensions

Weight (grammes/square metre)	214 gsm nominal
Thickness	4mm
Roll size	1050mm, 1200mm and 1500mmx50m

Applications

Insulation sheet for cavity walls of brick and block or other masonry construction. Dry lining sheet (internal insulation) floor solid or cavity walls. Pitched roof underlay to give secondary weatherproofing and insulation.

Product health and safety data sheet

Product Name

Airtec Single FR foil bubble (grade 2910)

Hazard classification

Non hazardous

Components and Approximate Proportions

Aluminium foil: (8.5%) polythene (91.5%)

Polythene contains additives to reduce ignitability of the film

Health hazard information

Route	Effect	Treatment
Inhalation (particles)	Not applicable	-
Inhalation (decomposition or combustion products)	Possible nausea, dizziness or breathing difficulties	If breathing difficulties occur move victim to fresh air. Consult doctor if required
Ingestion	Very unlikely. Biologically inert.	Consult Doctor
Eye contact	Not applicable	-
Skin contact	No known hazard at room temperature. When burning will melt and can adhere to skin	Do not remove melted material – flush with cold water. Cover burns with sterile dressing and obtain medical advice.

Handling precautions

No special precautions. If surfaces become wet then they can be slippery

Fire hazards

Unusual hazards

Material is combustible but not readily ignitable. Avoid breathing smoke

Combustion products

Polythene melts at 105C-125C. Decomposes over 300C to give carbon monoxide and aldehydes (acid smell). Burns to give carbon dioxide, carbon monoxide and smoke particulates. Additives decompose to give flame –suppressing compounds – halogenated hydrocarbons and antimony compounds. Smoke may be acidic.

Flash Point

Not applicable

Extinguisher type

Water, carbon dioxide, or foam may be used.

Autoignition Temperature

Not applicable

Waste Disposal

Scrap LDPE is not classified as ‘notifiable waste’ under the Disposal of Poisonous wastes Act 1972, and may be disposed of by landfill or by incineration in compliance with Local Authority Control of Pollution Act 1974, material is not biodegradable.

Storage – Store rolls on ends. Store away from other flammable materials.

Emergency Telephone no. – Medway (01634) 292700

Therma-Bridge Plus and Therma-Bridge are manufactured by Yorkshire Building Services (Whitwell) Ltd

DPC's are covered by BS3837: 1986

EPS insulation is covered by BS3837: 1985

1. Q. List of chemical components:
 - A. White closed cell material comprising of expandable beads of polystyrene, pre-foamed and fused together in a steam heated mould under pressure.
2. Q. Occupational exposure limits for each component
 - A. None Known
3. Q. Details of known synergistic reactions with other substances:
 - A. None known.
4. Q. Recommended procedures in the event of an emergency – e.g., fire, spillage or toxicity:
 - A. Only fire applies. EPS is a combustible material to BS476: Part 4. Type A (Flame retardant additive) is specially formulated to restrict the extent of burn BS476; Part 5: 1979. For fire characteristics and fire performance of EPS please refer to BS6203: 1982. Should fire occur, normal evacuation procedures should be carried out.
5. Q. Result of any relevant test:
 - A. See 4 above
6. Q. Any information on measure levels of exposure of operators using this substance:
 - A. No restrictions known