

1. IDENTIFICATION OF THE SUBSTRATE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name/designation: Alumasc GTF PIR Insulation
Alumasc BGT PIR Insulation
Alumasc FF PIR Insulation
Alumasc PIR Angle Fillet

1.2 Use of substance/preparation

Relevant identified uses: Thermal insulation for warm roof construction.

1.3 Manufacturer/Supplier

Alumasc Building Products Ltd
White House Works, Bold Road, Sutton, St Helens, Merseyside, United Kingdom, WA9 4JG
Tel: +44 (0)1744 648400
e-mail: technical@alumascroofing.com

1.4 Manufacturer/Supplier

Emergency telephone: +44(0) 1744 648400 (Mon-Thurs – 08.30-17.00 Fri – 08.30-16.00)

2. HAZARDS IDENTIFIER

2.1 Classification

The product article is not classified as hazardous. A precautionary approach has been taken throughout this document as it pertains to the handling of these insulation products.

2.2 Label elements

In line with the lack of classification, there are no specific labelling requirements.

2.3 Other hazards

Products contain added flame retardant, Tris (2-chloro-1-methylethyl) phosphate (TCCP) greater than 1%. Precaution should be taken with any dust generated which contains TCCP. See section 7, 8 & 13.

3. COMPOSITION AND INFORMATION ABOUT THE COMPONENTS

Core: Rigid thermoset urethane (PUR or PIR as defined by EN 13165) insulation.

Alternative facings: Composite foil (TR26).
Bitumen coated glass tissue (TR24).
Coated glass tissue (TR27).

Flame Retardant: Tris (2-chloro-1-methylethyl) phosphate (TCCP).

Further information on facings available upon request.

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation: Remove the person to fresh air.
Skin: Wash carefully using soap and water or a proprietary cleanser to remove.
Eyes: Dust particles should be removed by flushing with clean water.
Ingestion: Drink plenty of water if dust particles are accidentally ingested.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation:	Possible irritation or soreness in throat and nose.
Skin:	Temporary irritation or rash. Non-sensitising. When facings containing glass fibres are handled, skin irritation may occur.
Eyes:	Temporary irritation or inflammation.
Ingestion:	No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Get medical attention if needed. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Provide fire-extinguishing equipment at both storage and installation sites:
Suitable media: Water spray (fog), foam, CO2 or dry chemical.

Unsuitable media: Not applicable.

5.2 Hazardous combustion products

It is prudent to take precautions against ignition, fire spread and combustion products. As with all organic products, PIR will combust under severe fire conditions, where various oxides of carbon may form. Products contain the chlorinated flame retardant TCCP. Do not incinerate waste foam in an open environment. Do not inhale fumes; Fire fighters should attack the fire according to the combustible materials present and use breathing apparatus. Cardboard and plastic packaging materials are combustible. Store away from all possible sources of ignition.

5.3 Protection of fire-fighters

Firefighters should use self-contained breathing apparatus and saturate burning foam with water from a spray nozzle. Dust is classified as weakly explosive (St. Class 1).

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid the creation of airborne dust. If dust is generated, use approved respiratory protective equipment. Do not breathe dust (see Section 8).

6.2 Environmental precautions

Do not release collected dust to drains or waterways (see Section 13 for Disposal considerations).

6.3 Methods and material for containment and cleaning up

Prevent dust generation and use dust sheets before cutting to capture any dust generated. If dust does accumulate use vacuum cleaner (HEPA-filtered) or dampen with water spray.

6.4 Reference to other sections

See Section 8 for PPE.
See Section 13 for Disposal considerations.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

During cutting procedures, wear appropriate PPE. Where dust is generated through mechanical cutting in confined spaces, it is recommended that extraction be used. If dust generation persists over a sustained period in an enclosed space, the level of dust should be monitored in line with local regulations.

7.2 Conditions for safe storage, including any incompatibilities

Store in original packing in a location free from any ignition hazard such as open flames, cutting and welding torches, high surface temperature electric heaters and other forms of direct radiant heat. Traces of ethanol may be released from material that is freshly produced.

Keep product protected from the elements. Ensure stability of stack and provide adequate aisle space for access between stacks.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

There are no specific occupational exposure limits (OELs) for PUR or PIR dust itself, but best practice is not to exceed 3 mg/m³ based on an 8-hour time-weighted average (TWA).

8.2 Exposure controls

Inhalation:	During cutting procedures, wear adequate and suitable recommended respiratory protective equipment (RPE), such as particulate respirator with dust filter. Where dust is generated through mechanical cutting in confined spaces, it is recommended that extraction be used.
Hands:	It is recommended that gloves be worn when handling the products.
Eyes:	Eye protection recommended during mechanical cutting. When installing a product with reflective foil facings in very bright or sunny weather it is advisable to wear UV protective sunglasses or goggles.
Skin:	Non-sensitising. It is recommended to wear gloves when handling the products. When installing a product with reflective facings in bright sunlight, it is advisable to consider skin protection from UV.
Other:	The products are non-load bearing. Access and work should not be carried out on unsupported boards. The smooth facing used on some Alumasc PIR Insulation products can be slippery underfoot when wet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance:	Yellow foam with composite foil, bitumen coated glass tissue, coated glass tissue, according to type.
Odour:	Negligible.
pH:	Neutral under normal conditions.
Melting point:	Not applicable.
Flash point:	Not applicable.
Insulation density:	Typically 30-60 kg/m ³ .
Solubility in water:	Insoluble.
Solubility in organics:	Some liquids may cause swelling.
Other data:	None.

9.2 Other information

No additional chemical or physical properties to report.

10. STABILITY AND REACTIVITY

10.1 Reactivity

Unreactive during normal use (see Section 7).

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

Not reactive.

10.4 Conditions to avoid

None specified.

10.5 Incompatible materials

None specified.

10.6 Hazardous decomposition products

Products contain Tris (2-chloro-1-methylethyl) phosphate (TCCP) as added flame retardant.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

There are no known adverse health effects arising from handling or using Alumasc PIR insulation as supplied.

11.2 Information on other hazards

No additional information available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

The products are chemically stable in water and soil.

12.2 Persistence and degradability

PUR is not biodegradable and in common with most polymer materials will be persistent in the environment because of its durability.

12.3 Bio-accumulative potential

None anticipated since the product is a chemically inert polymeric matrix.

12.4 Mobility in soil

No anticipated mobility.

12.5 Results of PBT and vPvB assessment

Testing inappropriate for articles.

12.6 Endocrine disrupting properties

No data available.

12.7 Other Adverse Effects

Blowing agents used in the Alumasc PRI range of products have negligible ozone depletion potential (ODP) and low (below 5) global warming potential (GWP).

13. DISPOSAL CONSIDERATION

Disposal Considerations:	Product dust created in the installation process should be avoided or otherwise minimised to extent possible. Dispose of dust responsibly in line with the precautions set out in Sections 7 and 8. Disposal of this product and its packaging must comply with all applicable environmental protection and waste disposal legislation, including any requirements set by local authorities. Any unwanted or non-recyclable material should be disposed of through a licensed waste disposal contractor. Transportation of such waste may be subject to ADR (International Carriage of Dangerous Goods by Road) regulations and must be managed in accordance with those requirements.
Waste code:	17 06 04 insulation materials other than those mentioned in 17 06 01 and 17 06 03.

14. TRANSPORT INFORMATION

The product is not dangerous according to current transport legislation.

Read this section in conjunction with section 7. Ensure security of load and where necessary sheeting/roping should be used. It is recommended that mechanical lifting equipment is provided and used when moving bulk quantities of product in order to avoid serious physical injury.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations / legislation specific for the product

The product itself is not covered by the Classification Labelling and Packaging Regulation (CLP).

15.2 Chemical safety assessment

No assessment required.

16. OTHER INFORMATION

SDS version summary:

Version	Date of Update	Section Updated
1.0	13/07/2026	Template Change

The wearing of appropriate safety equipment is strongly recommended, and the product should only be used in its design application. Please refer to Sections 7 and 8 for safe handling and appropriate safety measures.

This data sheet does not constitute a workplace assessment.

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.