

ThermalFloor™

Safety Data Sheet (SDS) Controlled Document

SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name:	ThermalFloor™
Recommended usage:	Insulation, Pliable Building Membrane Wrapping in floors of buildings. Typically installed between floor joists and over floor joists
Supplier:	Ametalin Pty Ltd
Address:	9 – 11 Playford Cres, Salisbury Nth, South Australia 5108
Telephone:	(08) 8285 6955
Facsimile:	(08) 8285 5911
Emergency contact:	Oscar Archer (0434 832 361)

NB: This Safety Data Sheet (SDS) is issued by the supplier in accordance with the guidelines from Safe Work Australia. The information in it must not be altered, deleted or added to.

SECTION 2: HAZARDS IDENTIFICATION

NON-HAZARDOUS SUBSTANCE – NON-DANGEROUS GOODS STATEMENT OF HAZARDOUS NATURE: Product as supplied is classified as NON-HAZARDOUS according to the criteria of Safe Work Australia.

Reflective foil insulation is classified as **Non dangerous goods** according to the Australian code for the transport of dangerous goods by road and rail. When cut, abraded or combusted, dust or fumes may be created which are classified as **Hazardous**. The following risk and safety phrases apply to decomposition products.

Risk Phases: R36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phases: S36/37 Wear suitable protective clothing and gloves.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Proportion
Polymer	70 - 90%
Aluminum foil	10 - 30%

SECTION 4: FIRST AID MEASURES

The following relate to treatment of any irritant health effects resulting from exposure to any dust or the fumes evolved if product combusts.

Swallowed: Unlikely under normal conditions of use. Rinse the lips and mouth with water, give water to drink, and seek medical attention.

Eye: Flush with copious amounts of water. If symptoms persist, seek medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Specific Hazards: ThermalFloor™ has been tested to comply with AS 1530.2-1993, with a flammability index of 5 or below. However, a vigorous well-fueled fire will invariably consume the product.

Extinguishing media: Use extinguishing media (e.g. carbon dioxide, water foam or dry chemical) and equipment as required by fire in surrounding materials.

Firefighting procedures: If product is present in a fire, toxic fumes may be evolved. Evacuate area and contact emergency services. Remain upwind and notify those downwind of hazard. Fire fighters wear full protective equipment including self-contained breathing apparatus (SCBA) according to fire conditions.

Hazardous Decomposition Products: None

Hazchem Code: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spills: reuse where possible or disposal according to local authority guidelines.

SECTION 7: HANDLING AND STORAGE

Handling: ThermalFloor™ does not release dust, and does not cause any health effects.

Storage: Store in sealed container in cool, dry area. Ensure packages are adequately labeled, protected from physical damage, and sealed when not in use.

Incompatibilities: None

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

National occupational exposure standard (NES) from Safe Work Australia: the following standards are applied to dust from the product or to fumes from combustion:

Exposure standards:	Total dust 10 mg/ m ³
Engineering controls, ventilation:	During most applications and installation of this product, no special ventilation will be required.
Personal and skin protection:	Standard work clothing including gloves when cutting product.
Eye protection:	No specific requirements for this product. Eye protection recommended for work where dust or particles may be generated.
Respiratory protection:	None required for this product in usual working conditions.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Sheet in roll form: outer face is aluminum foil, inner coated woven polypropylene.
Odour:	None
pH:	Not applicable
Boiling point:	Not applicable

Adhesive melting point:	180°C
Vapour pressure:	Not applicable
Specific gravity (H ₂ O = 1):	Not applicable (Greater than 1)
Solubility in water:	Insoluble in water and common solvents
Evaporation rate:	Not applicable
Vapour density:	Not applicable
Percent volatiles:	None at normal working temperatures
Flash point:	Not applicable
Decomposition temperature:	>180°C
Lower/upper explosive limits LEL/UEL:	Not applicable

SECTION 10: STABILITY AND REACTIVITY

Chemical stability:	Stable, no reported incompatibilities
Hazardous polymerisation:	None
Conditions to avoid:	Combustion of product
Hazardous decomposition products:	None

SECTION 11: TOXICOLOGICAL INFORMATION

Acute effects

Swallowed: Unlikely under normal conditions of use, but may result in mild irritation of the lips, mouth and throat.

Eye: Physical irritant only. Dust or fumes from high temperature decomposition may cause eye discomfort resulting in watering and redness.

Skin: None from handling product as supplied. Dust may be slightly irritant and fumes from high temperature decomposition may be irritant and cause headaches, nausea and irritation of lungs (see sections 5 and 8).

Chronic: No effects from chronic exposures to dust are reported.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Reflective foil insulation is inert and is not considered to pose any environmental or ecological risk.

Persistence and Degradability: Product would be expected to be of low bio-degradability and persistent in the environment.

Mobility: Low mobility in landfill situations.

SECTION 13: DISPOSAL CONSIDERATIONS

May be disposed of as common trade waste in accordance with local authority guidelines.

SECTION 14: TRANSPORT INFORMATION

Transport requirements:	Reflective foil insulation is not regulated as a dangerous good. No special transport requirements are necessary.
UN Number:	None allocated
Class:	None allocated
Subsidiary risk:	None allocated
Packing group:	None allocated
Hazchem code:	None allocated

SECTION 15: REGULATORY INFORMATION

Poisons schedule: None allocated

SECTION 16: OTHER INFORMATION

Additional information and reference documents: AS/NZS 2161 occupational protective gloves.

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