



PRODUCT HEALTH & SAFETY

PIR INSULATION RIGID POLYISOCYANURATE

SECTION 1: PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME:	PIR Insulation		
SYNONYMS:	PIR		
PRODUCT CODES:	THIN-R • XT/CW Partial Fill Cavity Wall • XT/TL Thermal Liner (Dot & Dab) • XT/TL/MF Thermal Liner (Mech Fix) • XT/TF Timber Frame • XT/PR_UF Underfloor • XT/SK Sarking • XT/WALK-R • XT/PR_UF Pitched Roof • XT/GA General Application • XT/RLOC • XT/MD • FR/ALU Flat Roof • FR/MG Flat Roof • FR/BGM Flat Roof • FR/TP Thermal Ply • TR/MG Tapered Roof • TR/BGM Tapered Roof • TR/ALU Tapered Roof	XTROLINER • XO/XW XtroWall • XO/XWP Xtrowall Plus • XO/UF Floors Solid & Suspended • XO/FB Framing Board • XO/SK Sarking • XO/STP Soffit Plus • XO/PR Pitched Roof • XO/XD • XO/GP ECO 360 • ECO/CT • ECO/CW • ECO/MA CAVITYTHERM • CT/PIR CavityTherm	
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SECTION 2: HAZARDS IDENTIFICATION

No identified hazards



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SECTION 3: PRODUCT COMPOSITION

CORE:	Rigid thermoset polyisocyanurate insulation (PIR) ref EN 13165	
PRODUCT FACINGS:	Aluminium foil	WBP exterior grade plywood
	Kraft paper	Gypsum plasterboard
	Mineral coated glass	Calcium Silicate
	Bitumen coated glass	

SECTION 4: FIRST AID MEASURES

INHALATION:	Dust is non-hazardous. If dust is inhaled, person should get some fresh air.
EYES:	Dust should be removed by flushing with water.
SKIN:	Non-sensitizing. When MG & BG are handled, some skin irritation may occur due to glass fibres. Ensure good hygiene is followed, after handling ensure skin is washed using soap/proprietary cleanser.
INGESTION:	No information available.
OTHER:	Seek medical attention if discomfort persists.

SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA:	Water-Spray (Fog), Foam, CO ₂ , Dry Power
FIRE & EXPLOSION HAZARDS:	None Identified. Fire fighters should use SCBA gear. Burning foam should be saturated with water. Dust classification St Class 1 (weak explosion potential).

SECTION 6: ACCIDENTAL RELEASE MEASURES

Not Applicable

SECTION 7: HANDLING & STORAGE

Products should be stored off the ground, on a clean, flat surface and under cover. Products should be stored in a location free from ignition hazards and direct radiant heat. The polythene wrapping is not considered adequate protection for outdoor storage. It is recommended that suitable PPE to be used in the handling and cutting of these materials. To reduce dust it is recommended to use a trimming knife rather than a saw when cutting boards.



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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION:	Dust is non-hazardous. Dust from plasterboard / plywood facings may cause respiratory irritation. It is recommended that a dust mask is worn when cutting. In confined areas it is recommended that extraction is used when mechanical cutting is being performed.
HANDS:	It is recommended that gloves are worn when handling product.
EYE PROTECTION:	Eye protection is recommended during mechanical cutting. In bright sunlight, it is recommended to wear UV glasses when installing ALU/MG products.
SKIN PROTECTION:	Non- sensitizing. To reduce the risk of cut hazard from edges of board it is advisable to wear general purpose gloves. In bright sunlight it is recommended to wear UV skin protection when installing ALU/MG product.
OTHER:	This product is non-load bearing. The facings on ALU faced products can be slippery underfoot when wet.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE:	Cream/ Buff coloured foam: either foil, mineral glass, bitumen, gypsum, timber, magnesium silicate facings.
ODOUR:	Slight, non-offensive smell
pH:	Neutral
FLASH POINT:	Not Applicable
MELTING POINT:	Not Applicable
FREEZING POINT:	Not Applicable
PRODUCT DENSITY:	$32 \pm 5 \text{kg/m}^3$
SOLUBILITY IN WATER:	Not Soluble

SECTION 10: STABILITY & REACTIVITY

Product is stable and un-reactive under normal usage.

SECTION 11: TOXICOLOGICAL INFORMATION

Polyisocyanurate board is non-toxic and non-irritant.

SECTION 12: ECOLOGICAL INFORMATION

Product is inert and stable in water and soil.



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SECTION 13: DISPOSAL CONSIDERATIONS

Waste is non- hazardous. Waste product and packaging should be disposed of in accordance with local laws and regulations.

SECTION 14: TRANSPORT INFORMATION

Read section 7 in conjunction with this section.
Ensure load is secure before/during transit.
Use mechanical lifting equipment when moving bulk quantities.

SECTION 15: REGULATORY INFORMATION

Not Applicable

SECTION 16: OTHER INFORMATION

The information given in this sheet is based on our current knowledge of the product. It is given in good faith and refers only to those products named in this document. Unilin Insulation withhold the right to update and amend this document as necessary. The information should not be taken as a guarantee of performance. Users should conduct their own assessment and make applicable staff aware accordingly. For further assistance contact Unilin Technical Department.