



PIR INSULATION – SAFETY DATA SHEET

Mannok Insulation – Polyisocyanurate Foam

According to Regulation (EC) No 1272/2008

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	Mannok Insulation – Polyisocyanurate Foam
APPLICATION	Thermal Insulation
SUPPLIER	Mannok Insulation Ltd Scotchtown, Ballyconnell Co. Cavan Ireland t: +353 (0) 49 952 5600 e: info@mannokbuild.com
EMERGENCY TELEPHONE	+44 (0) 78 2591 0919 (06:00 to 23:45)
PRODUCT CODES	Mannok Therm Floor / MF Mannok Therm Wall / MW Mannok Therm Cavity / MC Mannok IsoShield Mannok IsoFrame Mannok Therm Laminate-Foil / MLF Mannok Therm Laminate-Kraft / MLK Mannok Therm Roof / MR Mannok Therm EASI-DORM Mannok Therm Roof / MFR-FFR Mannok Therm Roof / MFR-GFR Mannok Therm Roof / MFR-DPFR Mannok Therm Roof / MFR-PLY

2 HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.

ENVIRONMENT:

The product is not expected to be hazardous to the environment.

PHYSICAL AND CHEMICAL HAZARDS:

When handled correctly, undamaged units represent no danger.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
POLYISOCYANURATE FOAM (as defined by EN13165)		-	100%	-

<u>PRODUCT FACINGS:</u>	Laminate of foil/paper	Bitumen coated glass
	Kraft paper	WBP exterior grade plywood
	Mineral coated glass	Plasterboard

The full text for all R-Phrases is displayed in Section 16

4 FIRST-AID MEASURES

INHALATION

Unlikely route of exposure as the product does not contain volatile substances. In case of inhalation of dust generated by cutting or grinding the material: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INGESTION

Immediately rinse mouth and provide fresh air. Get medical attention if any discomfort continues. Due to the physical form of the product, accidental ingestion is highly unlikely.

SKIN CONTACT

Wash skin with soap and water. Get medical attention if any discomfort continues.

EYE CONTACT

Due to the physical form of the product, entry into the eyes is highly unlikely. In the event of dust generated by cutting or grinding the product entering the eyes: Promptly wash eyes with plenty of water while lifting the eyelids. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Fire can be extinguished using: Water, Foam, Carbon Dioxide, or Dry Powder.

UNUSUAL FIRE & EXPLOSION HAZARDS

No unusual fire or explosion hazards noted.

SPECIFIC HAZARDS

In case of fire, toxic and corrosive gases may be formed.

PROTECTIVE MEASURES IN FIRE

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

For dust generated by cutting or grinding panels: Avoid inhalation of dust. Avoid contact with skin and eyes.

ENVIRONMENTAL PRECAUTIONS

The product is not expected to be hazardous to the environment.

SPILL CLEAN-UP METHODS

For dust generated by cutting or grinding panels: Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into closed container.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Observe workplace exposure limits and minimise the risk of inhalation of dust.

STORAGE PRECAUTIONS

No special storage precautions noted. Store in a dry place, away from sources of ignition.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENT COMMENTS

No exposure limits noted for ingredient(s).

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

- Provide sufficient ventilation for operations causing dust formation. Airborne concentrations of dust should be maintained below 10mg/m³ or inhalable dust or 4mg/m³ of respirable dust.
- Dust from timber facings may cause respiratory irritation.

EYE PROTECTION

- Eye protection is recommended during mechanical cutting.
- Use tight fitting goggles if dust is generated.
- When installing a product with reflective foil facings in very bright or sunny weather, it is advisable to wear UV protective sunglasses or goggles.

RESPIRATORY EQUIPMENT

Wear respirator if there is dust formation. Use respiratory equipment with particle filter type P1.

HAND PROTECTION

It is recommended that gloves be worn when handling the products.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Rigid boards
COLOUR	Yellow to Light brown
ODOUR	Odourless
SOLUBILITY	Insoluble in water
DENSITY	30-36 kg/m ³

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

To maintain product quality, avoid contact with water/moisture for prolonged periods.

HAZARDOUS POLYMERISATION

Will not polymerise.

MATERIALS TO AVOID

Strong oxidising substances.

HAZARDOUS DECOMPOSITION PRODUCTS

During fire, toxic gases (CO, CO₂ NO_x) are formed.

11 TOXICOLOGICAL INFORMATION

GENERAL INFORMATION

No specific health warnings noted.

INHALATION

Unlikely to be hazardous by inhalation because of the low vapour pressure of the substance at ambient temperature. Dust may irritate the respiratory system or lungs.

INGESTION

No harmful effects expected in amounts likely to be ingested by accident.

SKIN CONTACT

Skin irritation is not anticipated when used normally.

EYE CONTACT

Dust in the eyes will cause irritation.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product is not expected to be hazardous to the environment.

MOBILITY

The product is non-volatile. The product is insoluble in water.

BIOACCUMULATION

The product does not contain any substances expected to be bioaccumulating.

DEGRADIBILITY

The product is not readily biodegradable.

ACUTE FISH TOXICITY

Not considered toxic to fish.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

GENERAL

- The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
- Ensure security of load and where necessary, sheeting / roping should be used.
- It is recommended that mechanical lifting equipment is used when moving bulk quantities.

15 REGULATORY INFORMATION

EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 concerning the Registration, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2001/21/EC, including amendments.

APPROVED CODE OF PRACTICE

2007 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations 2001 (S.I. No. 619 of 2001).

NATIONAL REGULATIONS

Safety, Health and Welfare at Work (Chemical Agents) Regulations 2001 (S.I. No. 619 of 2001).

16 OTHER INFORMATION

RISK PHRASES	NC	Not classified
SAFETY PHRASES	NC	Not classified

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in conjunction with any other materials or in any process. Such information is, to the best of the Company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for their own particular use.