



100 DENSITY FOAM BOARD

PRODUCT DESCRIPTION

Polyurethane 100 Foam Board is a thermal insulation and construction grade polyurethane rigid (PUR) foam board.

Polyurethane 100 Foam Board is stable, high density insulation and construction grade foam board recommended for insulating floors, low density fibre-glass laminations and pipe spacers.

All exterior applications should be protected against weather exposure by sheathing or covering with a monolithic membrane. Consult your sales representative for advice.

Polyurethane 100 Foam Board does not contain ozone depleting substances (no CFC & HCFC) or global warming materials (no HFC).

Protect **Polyurethane 100 Foam Board** from all sources of ignition. For interior building applications, use a protective thermal barrier equal in resistance to 13mm gypsum board should be used over the insulation. ***If in doubt consult a fire engineer.***

NOTE: As polyurethane foam products may constitute a serious fire hazard if improperly used or protected, a careful assessment should be made to determine what potential hazard may exist. ***If in doubt consult a fire engineer.***

Recommended Operating Temperature

Upper +80°C
Lower - 60°C

SIZING:

2400 x 1200
Thickness as required eg 10mm to 400mm



AVAILABLE FACINGS & LAMINATIONS:

(Upon request)

- Paper
- Tissue
- Aluminium foil
- Plaster board

BOARD EDGE FINISHES:

- Straight;
- Tongue & groove (upon request).

Typical Lab Test Results:	Method	Lab test
Nominal Density		97.2kg/m ³
Compressive strength (parallel) (perpendicular)	AS2498.3	816 kPa 744 kPa
Glow Wire Test - @ 650 °C (Product test certificate available)	AS/NZS 60695.2.11	PASS
Thermal Conductivity (k-factor) @22.5°C (initial) (aged)	EKO machine	0.0286 W/mK 0.0380 W/mK
Thermal Resistance - R Value at 25mm thickness (foam thickness / k-factor)	AS2464.5	0.66 m ² °C/W (aged)
Dimensional Stability @ 70°C & 95% humidity +/- 5 RH @ -10°C	AS 2498.6	0.05% -0.20%
Colour		Blue



STORAGE AND HANDLING PRECAUTIONS

Store board stock covered on a flat surface off the floor in a warm environment out of direct sunlight.

Recommended storage temperature: 0 to 30°C.

Please note that **ALL** foamed plastics are classified combustible – avoid all sources of ignition.

PERSONAL PROTECTIVE EQUIPMENT:

Use the following PPE when working with or installing PUR foam sheet:

Eye protection: Goggles.

Skin Protection: Gloves, overalls and foot wear.

Respiratory Protection: Particulate respirator.



HEALTH AND SAFETY ADVICE:

Classified as non-hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

ACUTE HEALTH EFFECTS:

Skin: Essentially non irritating to skin. Mechanical injury only.

Eyes: Essentially non irritating to eyes. Foam dust may cause irritation or corneal injury due to mechanical action.

Ingestion: Essentially non irritating. Ingestion is unlikely due to physical state. Physical injury only. May cause choking if swallowed.

Inhaled: Essentially non irritating. Inhalation is unlikely due to physical state. Foam dust may cause irritation to upper respiratory tract.

CHRONIC HEALTH EFFECTS:

Human Effects of Over Exposure: Repeated excessive exposures to foam dust may cause respiratory irritation and possibly other respiratory effects.

EMERGENCY & FIRST AID PROCEDURES

Eye Contact: Irrigate immediately with water for at least 5 minutes.

Skin Contact: Wash off in flowing water or shower.

Inhalation: Remove to fresh air if effects occur. Consult a physician.

Ingestion: No adverse effects anticipated by the route of exposure.

Note to physician: Treat symptomatically.

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