



Polyfoam Agriboard

Description

Polyfoam Agriboard is a high performance, 100% ozone friendly, extruded polystyrene, rigid board insulation. It is lightweight, yet has excellent structural strength and long term effectiveness.

Polyfoam Agriboard has an interlocking tongue and groove edge detail.

Application

Polyfoam Agriboard is used for the insulation of walls and roofs in agricultural buildings.

Polyfoam Agriboard is recommended for the following constructions:

- Internal insulation and lining of walls/frames
- Internal insulation and lining of roofs

Note: Our recommended solution for twin skin metal cladding constructions is Crown Factoryclad – see separate datasheet (Ref CD55906).

Standards

Polyfoam Agriboard is manufactured in accordance with BSI Quality Assurance Standard BS EN ISO 9001: 2000.

Product Data

Thickness	Thermal conductivity	Thermal resistance	Nominal density	Minimum compressive strength	Length	Width
(mm)	(W/mK)	(m ² K/W)	(kg/m ³)	(KPa)	(mm)	(mm)
75	0.029	2.55	30	200	2400	600
50	0.029	1.70	30	200	2400	600
35	0.029	1.20	30	200	2400	600

Performance

Thermal

Polyfoam Agriboard has a thermal conductivity of 0.029 W/mK.

Benefits

- Combines excellent thermal performance with toughness and durability
- Highly resistant to water absorption
- Able to resist repeated freeze/thaw cycles
- Lightweight and easy to install
- Not easily damaged



Durability

The continuous service temperature limits of Polyfoam Agriboard are -50 to +75° C.

Environmental

Polyfoam Agriboard is free from CFCs, HCFCs and any other material with ozone depletion potential in its manufacture and content and represents no known threat to the environment. Polyfoam Agriboard is non bio-degradable.

Polyfoam Agriboard is 100% recyclable.

Compression resistance

The rigidity of Polyfoam Agriboard makes the board easy to handle and less prone to site damage than less robust materials.

In Agricultural buildings, where the insulation is often left exposed internally, Polyfoam Agriboard is able to withstand minor impacts without serious damage, helping to prolong its service life.

Moisture resistance

Polyfoam Agriboard is resistant to moisture absorption. The interlocking tongue and groove edge detail ensures moisture cannot penetrate the gap between two boards. For extra moisture control a bead of solvent free mastic can be run down the tongue and groove joint during installation. Polyfoam Agriboard can also be pressure hosed to clean the internal walls without affecting the performance of the material.

Moisture absorption

Polyfoam Agriboard has a moisture absorption of 0.3% by volume.

Vapour Resistivity

Polyfoam Agriboard has a vapour resistivity of 480 MNs/gm.

Fire Performance

Polyfoam Agriboard contains a flame retardant to inhibit localised ignition. For areas regularly occupied by people, such as packing sheds, a fire and food safe finish must cover the insulation.

Handling and storage

The boards are easy to handle and non-irritant. No special protective clothing is required when installing them.

Polyfoam Agriboard is supplied in polythene packs, labelled with identifying product and manufacturing data.

Ensure the boards are not stored close to open flame or other ignition source, also avoid volatile compounds and chemicals such as solvents.

Polyfoam products should not be left exposed to prolonged sunlight as this will result in surface degradation. Where outside storage for extended periods is required cover with opaque/light coloured sheeting.

Knauf Insulation Ltd
PO Box 10, Stafford Road,
St Helens, Merseyside,
WA10 3NS

For more information please refer to
www.knaufinsulation.co.uk

Ref: PD88207

Customer Service (Sales) Tel: 0844 800 0135
Technical Advisory Centre Tel: 01744 766666
Literature Tel: 08700 668660
www.knaufinsulation.co.uk

