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Polyfoam® ECO Floorboard

For floors

Description

Polyfoam ECO Floorboard is available in three grades - Standard, Extra and Super. Polyfoam ECO Floorboards are extruded polystyrene boards that have a Global Warming Potential (GWP) of less than 5. They are 100% ozone friendly, CFC and HCFC free, lightweight, square edged boards that have high compressive strength.

Application

Polyfoam ECO Floorboards are suitable for almost any floor construction including:

- Below a concrete slab
- Below a screed
- Below chipboard

Standards

Polyfoam ECO Floorboards are manufactured in accordance with BS EN 13164:2008, EN 16001:2009 Energy Management Systems, OHSAS 18001:2007 Occupational Health and Safety Management Systems, ISO 14001:2004 Environmental Management Systems, and ISO 9001:2008 Quality Management Systems, as certified by Bureau Veritas.

Environmental

Polyfoam ECO Floorboards are manufactured with a GWP <5 and are free from CFCs, HCFCs and any other material with ozone depletion potential in their manufacture and content and represent no known threat to the environment. Polyfoam ECO Floorboards are non bio-degradable and 100% recyclable.

Performance

Thermal

The thermal conductivity of Polyfoam ECO Floorboard ranges from 0.033W/mK to 0.036W/mK dependent on product and thickness.

Durability

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

Benefits

- Excellent thermal performance
- High compressive strength
- Highly resistant to water absorption
- Able to resist repeated freeze/thaw cycles
- Structurally stable in the long term
- Global Warming Potential <5



Move Forward with Confidence

Polyfoam® ECO Floorboard

Compression resistance

Polyfoam ECO Floorboards are highly resistant to compression and withstand both occasional and long term static loads. Load bearing construction elements should be designed to adequately support the combination of imposed and dead loads without creating excessive deflection.

Vapour resistivity

Polyfoam ECO Floorboard Standard has a water vapour resistivity of 480 MNs/g.m, Polyfoam ECO Floorboard Extra and Super have a water vapour resistivity of 600MNs/g.m when tested in accordance with EN 12086.

Moisture absorption

Polyfoam ECO Floorboards have a moisture absorption of 0.3% by volume when tested in accordance with EN 12087.

Handling and storage

Polyfoam ECO Floorboards are supplied in four sided packaging designed to be easily recognised and labelled with identifying product and manufacturing data. The boards are easy to handle and protective clothing is not required when installing them. Ensure the boards are not stored close to open flames or other ignition sources and avoid volatile organic compounds and chemicals such as solvents. Polyfoam ECO Floorboards should not be left exposed to prolonged sunlight as this will result in surface degradation. When outside storage for extended periods is required cover the products with opaque/light coloured sheeting.

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Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m ² K/W)	Length (mm)	Width (mm)	Compressive strength (kPa)
Polyfoam ECO Floorboard Standard					
100*	0.033	3.00	1250	600	200
75	0.035	2.10	2500	600	200
65	0.035	1.85	2500	600	200
50	0.033	1.50	2500	600	200
35	0.033	1.05	2500	600	200
25	0.033	0.75	2500	600	200
Polyfoam ECO Floorboard Extra					
75	0.035	2.10	2500	600	300
65	0.035	1.85	2500	600	300
50	0.033	1.50	2500	600	300
35	0.033	1.05	2500	600	300
25	0.033	0.75	2500	600	300
Polyfoam ECO Floorboard Super					
100	0.036	2.75	1250	600	500
80	0.036	2.20	1250	600	500
60	0.034	1.75	1250	600	500
50	0.034	1.45	1250	600	500

All products are square edged unless otherwise specified

* Lap joint

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