



Polyfoam System Closer

Polyfoam Combi-Closer

Description

Polyfoam System Closer comprises Polyfoam extruded polystyrene insulation semi-enclosed in a rigid PVC casing. It is available in a range of sizes to suit cavity widths from 50 to 100mm wide.

Polyfoam Combi-Closer is a patented development of Polyfoam System Closer, that has a number of grooves in the extruded polystyrene so it can be cut on site to suit a range of cavity widths.

Application

Polyfoam System Closer and Polyfoam Combi-Closer are used between the inner and outer leaves of masonry cavity walls at openings to minimise thermal bridging. They can be used with both partial and full fill cavity wall insulation.

Product Data

Width (mm)	Thermal conductivity (W/mK)	Nominal density (kg/m ³)	Length (mm)	Thickness (mm)
Polyfoam System Closer				
100	0.030	30	2400	25
85	0.030	30	2400	25
75	0.030	30	2400	25
65	0.030	30	2400	25
50	0.030	30	2400	25
Polyfoam Combi-Closer				
75	0.030	30	2400	25
100	0.030	30	2400	25

All dimensions are nominal

Performance

Thermal

The extruded polystyrene in Polyfoam System Closer and Polyfoam Combi-Closer has a thermal conductivity of 0.030 W/mK.

Benefits

- Provides a thermal and waterproofing break between the inner and outer leaves
- Polyfoam Combi-Closer is a unique, patented multi fit solution that can be adjusted to fit on site
- Allows some construction tolerance
- Can be jointed simply to reduce waste



Standards

Polyfoam System Closer and Combi-Closer are manufactured in accordance with BSI Quality Assurance Standard BS EN ISO 9001: 2000.

Durability

The continuous service temperature limits of Polyfoam System Closer and Combi-Closer are -50 to +75° C.

Environmental

Polyfoam System Closer and Combi-Closer 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 System Closer and Combi-Closer are non bio-degradable.

Polyfoam System Closer and Combi-Closer are 100% recyclable

Moisture resistance

Polyfoam System Closer and Combi-Closer provide a damp proof barrier between the outer and inner leafs. The casing and the Polyfoam core are both highly moisture resistant. The casing has a flexible strip attached to fit into the rear of door and window frames to act as an extra damp proof seal.

Moisture absorption

Polyfoam System Closer and Combi-Closer have a moisture absorption of 0.4% by volume.

Vapour Resistivity

Polyfoam System Closer and Combi-Closer have a vapour resistivity of 450 MNs/gm.

Fire performance

Polyfoam System Closer and Combi-Closer contain a flame retardant to inhibit localised ignition. When contained within

a cavity wall behind a plaster or similar finish they will not prejudice the fire resistance of the wall.

Handling and storage

The lengths are easy to handle and non-irritant, no special protective clothing is required when installing them.

Polyfoam System Closer and Combi-Closer are supplied in polythene packs, labelled with identifying product and manufacturing data.

Ensure they 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 the Knauf Insulation, Insulation Solutions for Buildings binder sections:

Masonry Cavity Walls: Residential
Ref: B/R/XW/1

Masonry Cavity Walls: Non-Residential
Ref: B/NR/XW/1

Ref: PD57206

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

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