



CAVITY CLOSERS

Datasheet

Issue Date: March 2020

Description

Cavity Closer provide a simple and highly effective method for closing cavities around openings in masonry cavity, timber frame and steel frame system wall constructions. Suitable for use in both new build and refurbishment, they are an easy way to achieve Building Regulations compliance when closing cavities with unknown widths.

Available in 2 profiles to fit cavity widths between 50-150mm.

Benefits

- Easy to install with a simple cut to size indicators
- Provides an effective DPC and thermal barrier between frame, inner & outer wall
- 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
- Prevents cold bridging
- Suitable for use in both new build and refurbishment
- Reduces risk of condensation, mould and moisture migration across the cavity
- Can be used on timber frame constructions
- Overcomes cavity width variations

Durability

The continuous service temperature limits of the insulating foam are - 50 to +70° C

Vapour resistance

XPS - 625MN/g .m, when tested in accordance with EN 12086.

Moisture absorption

The moisture absorption of xps is 0.6% by volume when tested in accordance with EN 12087.

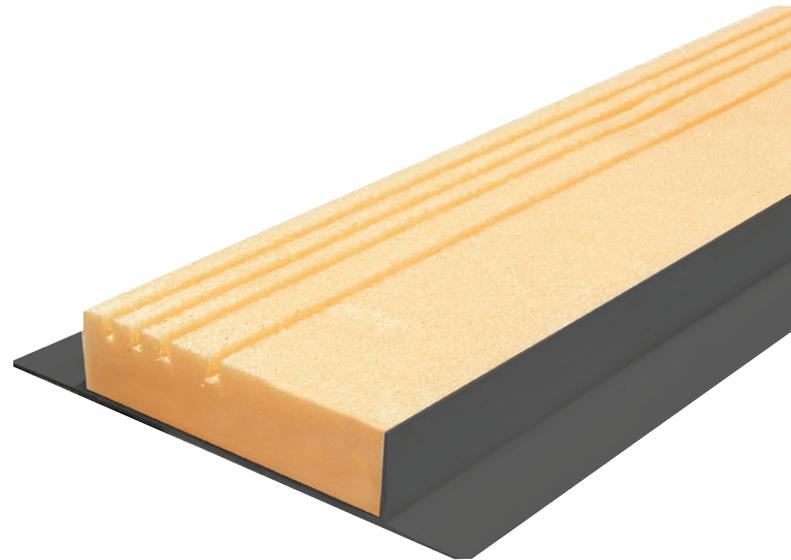
Health and Safety

Ensure the boards are not stored close to open flames or other ignition sources and avoid volatile organic compounds and chemicals such as solvents. Cavity Closer 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.

PVC and XPS are not considered hazardous when used in these products as recommended.

First Aid Measures - No special measures required when used as instructed by the manufacturer. If dust particles, which may occur during cutting the product, enter the eye, wash out with sterilised water.

Disposal Considerations - Product: If possible recycle, otherwise dispose in an authorised landfill site or incinerate under approved controlled conditions. Combustion will release hydrogen chloride gas. Packaging: Observe local waste management regulations.



Product Code	Description	Pallet Qty
ET/MCCS/100	Black Cavity Closer 100mm x 2.4m	10
ET/MCCS/150	Black Cavity Closer 150mm x 2.4m	10

Storage

Care must be taken when storing to prevent distortion of the sections and must be stored propped vertical. Cavity Closers should not be exposed to excessive heat. The packaging should not be considered adequate for outdoor protection. Ideally, sections should be stored inside a building. If, however, outdoor storage cannot be avoided, then the sections should be stacked clear of the ground and covered with a polythene sheet or weatherproof tarpaulin. Sections where the insulation core has been allowed to get wet should not be used.

Specification

Material: PVC

Colour: Black PVC d
Peach XPS

Size: 2.4m length
50mm-100mm /100mm-150mm width

Weight: 50mm-100mm Pack of 10 - 9kg
100mm-150mm Pack of 10 - 12kg

Pack Qty: 10

Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m ² K/W)	Tolerance (mm)	Nominal density (kg/m ³)	Boards per pallet (mm)
20	0.033	0.60	./-1.0	30	60



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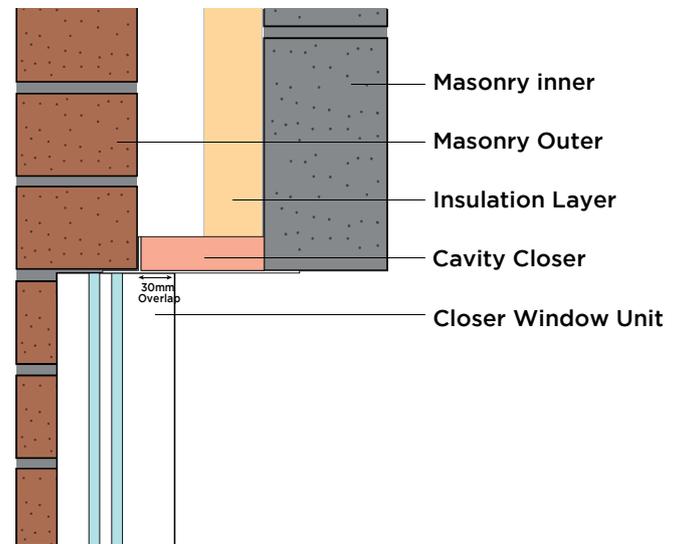
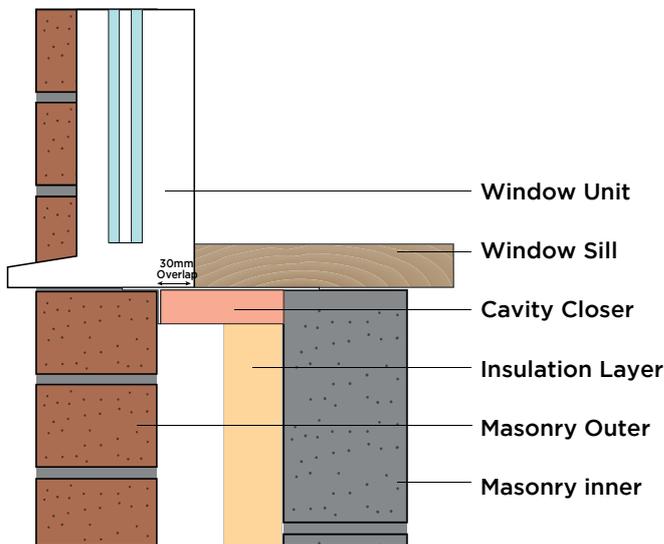
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Installation

Cavity Closers can be installed in a variety of ways,

- Tack to window frame built in
- Built-in as work progresses friction fitting
- Installed after the reveal has been constructed by fixing to the inner leaf using grab adhesive
- Measure the opening of the window or door.
- Cut profile to required length.
- Measure cavity opening and cut the insulation (do not cut the plastic outer) to the corresponding width.
Note, maximum cavity width is 150mm.
- Press the insulation face down into the open cavity opening and fix the plastic outer securely with adhesive or clout nails.
- Vertical Jointing - if required, sections can be jointed to minimise waste. All joints must be tightly butted 45° downwards towards the outer leaf, this will stop potential water penetration.
- Corner Jointing - When jointing horizontal to vertical, trim both PVC flanges and allow the vertical to extend below the horizontal this stops water ingress.
- Cutting should be carried out using a fine toothed saw.



Relevant standards and regulations

NHBC Technical Requirements 6.7; Doors windows and glazing

BS 5250 Code of practice for control of condensation in Buildings

Building Regulations Document Part L1 and L2: conservation of fuel and power in new and existing dwellings





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Essential Characteristics	Performance	Product Thickness	Polyfoam Result		Harmonised Technical
Thermal Resistance	Thermal Resistance	20mm	R	See Product label	BS EN 12667
	Thermal Conductivity (W/mK)	20mm	λ_d	0.033 W/mK	BS EN 12939
	Thickness Tolerance	20mm	T1	-1mm / +1mm	BS EN 822
Reaction to Fire	Reaction to Fire	20mm	RTF	F	BS EN 13501-1
Continuous glowing combustion	Continuous glowing combustion	20mm	-	NPD	European test methods are under development
Tensile / Flexural Strength	Tensile strength perpendicular faces	20mm	TR	NPD	-
Compressive Strength	Compressive stress / Compressive Strength	20mm	CS(10/Y)	≥ 200 kPa	BS EN 826
Durability of compressive strength against ageing / degradation	Compressive creep	20mm	CC(2/1.5/50)	NPD	BS EN 1606
Durability of thermal resistance against heat, weathering, ageing / degradation	Freeze Thaw Resistance after Long Term Water Diffusion Test	20mm	FTCD1	$\leq 1.0\%$ vol	BS EN 12091
	Freeze Thaw Resistance after Long Term Water Absorption by Total Immersion	20mm	FTCI	NPD	-
Durability characteristics	Dimensional Stability	20mm	DS	DS(70, 90)	BS EN 1604
	Deformation under specified compressive load and temperature conditions	20mm	DLT	DLT(2)5	BS EN 1605
Water permeability	Long Term Water Absorption by Immersion (% vol)	20mm	WL(T)	0.7	BS EN 12087
	Long Term Water Absorption by Diffusion (% vol)	20mm	WL(V)	1	BS EN 12088
Water vapour permeability	Water vapour transmission	20mm	MU	NPD	-
Release of dangerous substances to the indoor environment	Release of dangerous substances	20mm	-	NPD	European test methods are under development

NPD - No performance determined