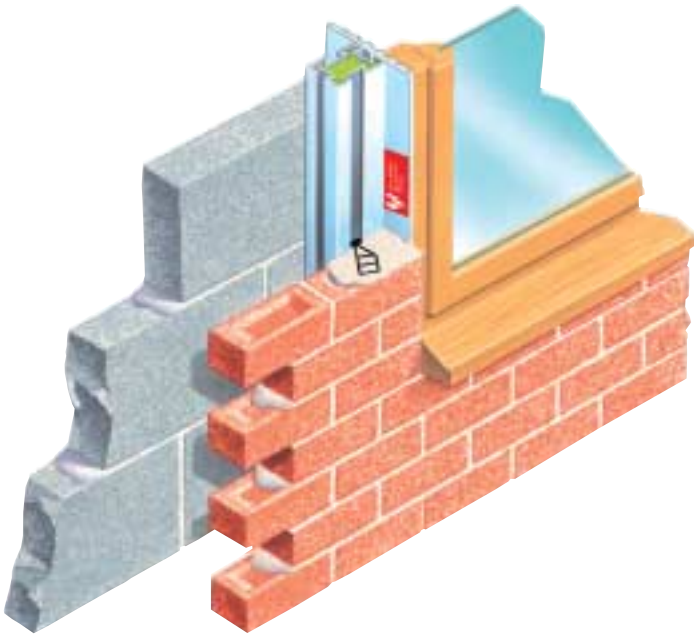


Cavi90

Type H Cavicloser



- 90 minutes fire integrity rating
- Closes and insulates reveals
- Suitable in cavities of 50mm and 75mm wide
- Acts as a DPC
- Integral Fins

problem

How to create reveal in cavity wall. How to close, insulate and establish a vertical DPC. How to provide 90 minutes fire integrity.

introduction

The Cavi90 prefix identifies this Type H cavicloser as having 90 minutes fire integrity rating. General details relating to the Type H versatility can be found on the previous pages.

solution

This fire integrity closer has been vertically tested for use with traditional construction in cavities of 50mm and 75mm.

This model provides the designer with a choice of frame positions within the restraints of thermally efficient options. The fire integrity rating is achieved with the use of a non-combustible semi-rigid rock mineral wool insulating medium, bonded with a high performance binder.

Accompanying ties secure the closer housing containing the bonded rock wool. The tying and restraint measures therefore anchor the closer into both skins of the masonry wall. Testing of this fire integrity rated closer was carried out with the fire source applied from both sides: room side and cavity side.

sizes

50mm x 75mm
Face closer 125mm overall
Suitable for cavities of 50mm or 75mm. Attach faceplate to alternative side to change cavity width option. Available in lengths of 2.1m and 3.0m.

material

PVUC compound.
Stainless steel ties.
Non-combustible semi-rigid rock mineral wool insulation bonded with a high performance binder.

bill of quantity wording

Close cavities vertically with fire-rated insulated Cavi90

Type H cavicloser.....

Adhere to manufactures fitting instructions. Metres run.....

ordering/regulations

See inside back cover for details.

related products and applications

See all models with prefix of Cavi60, Cavi90, Cavi120 and Cavi150.
For closing methods see closers listed in section 2.

designers' comments

Warrington Fire Research Centre conducted testing. The test was in accordance with performance criteria as defined in BS 476: Part 20: 1987, achieving 90 minutes integrity and insulation. Scottish Technical Standards call for fire resistance and non-combustibility (Section D2), requiring cavity barriers to provide 30 minutes resistance when tested from both sides. Always check what other fire protection measures are required elsewhere in the building. Testing principles BS 476: pt.20: 1987 by Warrington Research. Furnace temperature maximum level during testing: 1001 Deg C. Sampled insulation typical thermal conductivity 0.033.

Ask for a copy of the British Standard testing procedure employed so you fully understand how and the circumstances under which this product has been rated. Employers and agents have statutory duties regarding liabilities for risk assessment. Ensure your design meets the required standard. All advice is inevitably generalised and you should ensure it is relevant to the specific circumstances in which you seek to apply it.

