

## Specifications

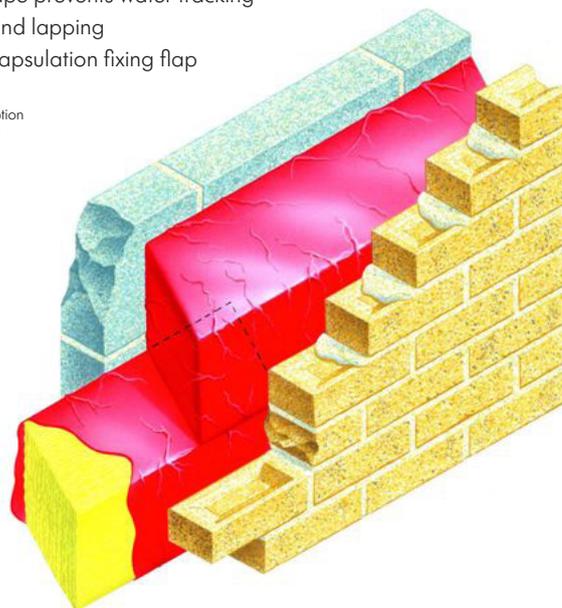
Product name - group	Cavi 60 Type SAF Stop
Exposure rating	Very severe
Cavity - standard sizes accommodated	Up to 140mm
Special cavity widths accommodated	Yes - state actual cavity width requirement
Special cavity widths available	Tested in a cavity up to 180mm
Common cavity wall applications	Yes – build in profile as illustrated
Corners and links	Angled profile laps whilst maintaining integrity
Product lengths	1.2m
Protective sleeving deflects water forward	Yes – at all times even where lapped
Acts as insulator	Yes insulates entire cavity width – see below
Installed as wall is raised	Yes – compresses for optimum fit in cured masonry
Construction	Traditional (masonry only)
Masonry skin styles	Accommodate most types of masonry finish
Acoustic insulator	Yes – reduces direct and flanking transmission
Fire rated	Yes Cavi 60 prefix denotes 60 mins (1 hr) rating when tested as stated, see: Important
Horizontal and vertical applications	Yes – horizontal and numerous vertical uses
Compatible with other cavity wall elements	Yes subject to masonry finishes being appropriate
Securing methods	Friction fit / support on naturally occurring wall ties / flap fixing
Securing ties supplied	N/A. Friction fit + naturally occurring ties support
Pack sizes	x10 lengths
Thermal resistance path	Exceeds minimum requirement
Weight per pack	10kg
Colour	Red
Building Regulations	Yes permits regulations to be satisfied
NHBC	Yes permits requirements to be satisfied
'k' value of insulation used	0.035W/mK
CFC free	Yes + zero ODP
CAD drawing downloads available	Yes

## CAVI 60 TYPE SAF HORIZONTAL BARRIER

### Fire Resistant Barrier / Closer

- Acoustic barrier
- Fire barrier
- Protective shape prevents water tracking
- Easy linking and lapping
- Optional encapsulation fixing flap

Staggered placement option permits sloping tops and bottoms to interface and eliminate end joining



Conventional end-to-end installation or staggered lap installation. Both direct water forwards

### Requirement

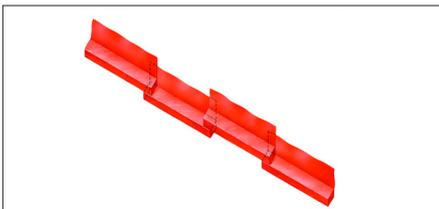
Acoustic and one hour rated fire rated cavity barrier to compartmentalise cavity walls of building of multi occupancy.

## Solution

This compressible cavity barrier is multifunctional. It acts as an acoustic barrier, a fire barrier and uses its shape to advantage by deflecting all arrested water forward. Overlapping capability means adjacent lengths can maintain functionality and status.

The compliant oriented shape is simply compressed and friction fitted into cured masonry whilst taking advantage of support from naturally occurring wall ties. Additionally, the Cavi60 Type SAF can also be supplied with an upwardly extending flap on one side of the encapsulation. This provides an additional fixing option of securing to the inner skin should this be required.

This product does not normally require any further accompanying DPC measures but cavity trays are available to cap this product should specific construction applications require.

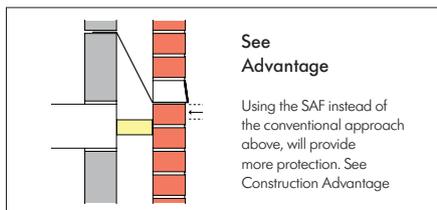
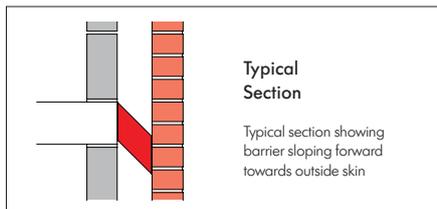
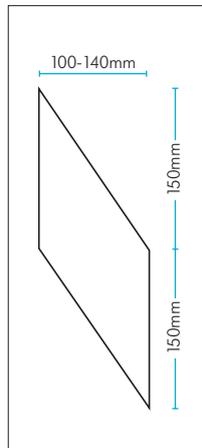


The parallelogram shape means adjacent lengths can lap and still maintain arrestment and forward sloping deflection of penetrating water. Fire and acoustic barrier qualities are uninterrupted. The encapsulation flap shown provides another fixing option if required.

As well as conventional end-to-end joining, the parallelogram shape of the Cavi60 Type SAF accommodates staggered up and down placement. This barrier is designed to be compression fitted within a masonry cavity. In addition, advantage may be taken of naturally occurring wall ties to provide support and upper flap fixing against the inner skin if such a fixing option is selected. Installation must result in all barriers forming a continuous tightly butted and lapped arrangement with no interruptions or gaps.

## References

- BS 476 (fire resistance testing)
- Part E details – resistance to the passage of sound
- Building Regulations Document C L1 & L2
- Scottish Tech Standards Part D
- Robust Details



## Designers' Comments

Use of the Cavi 60 Type SAF Horizontal Barrier eliminates areas of unprotected masonry between DPC and stop, identified within Robust Detail E-FC-3 (external flanking wall junction). Every building that is divided into more than one area of different occupation must be designed and constructed in such a way that in the event of an outbreak of fire within the building, fire and smoke are inhibited from spreading beyond the area of occupation where the fire originated. 2.2 BR(S) – mandatory.

## Bill of Quantity / Specification Wording

F30 Accessories / sundry items for brick / block / stone walling  
180 Cavity Closers

Manufacturer: Cavity Trays Ltd, Yeovil Somerset BA22 8HU Tel: 01935 474769

Cavi60 Type SAF Fire Rated Cavity stop / barrier to close / compartmentalise horizontally cavities of external walls. Incorporate and build in carefully observing manufacturers' instructions to ensure continuous and correct installation. (1200mm lengths). Metres run \_\_\_\_\_.

## Important

Fire-rated barriers have been fire tested at independent Fire Research Stations, achieving the levels of fire integrity displayed with traditional masonry brick and block construction. These tests comply with BS 476: Part 20: 1987. The Cavi 60 prefix identifies barriers achieving a sixty-minute fire integrity rating within our reporting parameters.

Where usage falls outside of this scope such as where one skin is not of masonry, it is the users responsibility to ensure the proposed construction provides a level of stability, integration, performance and fire resistance that is fit for purpose and the resultant detail will perform to the standard created and required by the user.

Attention must always be paid to any possible deflection or distortion which could cause gaps to form between the material and a fire barrier.

In the event of a fire, Cavity Trays Ltd cannot accept liability for failure where usage is outside of the standard application, including but not limited to, where deflection or distortion has allowed gaps to form around the barrier, or where the barrier is not fitted in accordance with the manufacturer's guidelines.