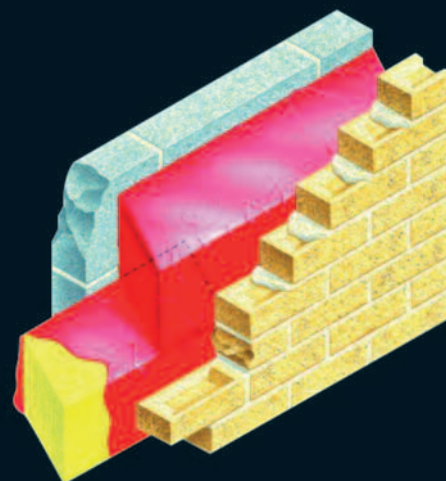


Cavi60

Type SAF Horizontal Barrier / Stop

- 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



REQUIREMENT

Acoustic and one hour rated fire rated cavity stop to compartmentise cavity walls of building of multi occupancy.

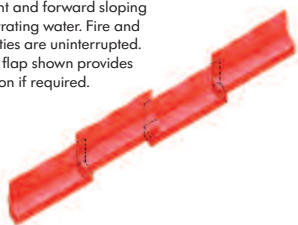
SOLUTION

This compressible cavity stop 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 cavitrays 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 stop qualities are uninterrupted. The encapsulation flap shown provides another fixing option if required.



REFERENCES

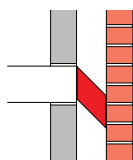
- BS 476 (fire resistance testing)
- Part E details – resistance to the passage of sound
- Building Regulations Document C L1 & L2
- Scottish Tech Standards Part D
- Robust Details

SPECIFICATION WORDING

Cavi60 Type SAF Horizontal Barrier / Stop by Cavity Trays of Yeovil Somerset BA22 8HU (01935 474769) to suit cavity width of 100mm supplied with / without encapsulation flap. (delete as required).

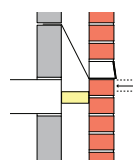
Compress and friction fit within cavity, following all accompanying instructions. Overlap adjoining lengths to maintain protection integrity

Typical Section



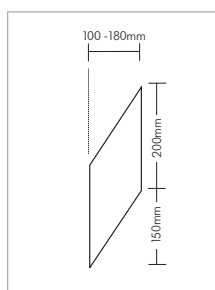
Typical section showing barrier sloping forward towards outside skin

See Advantage



Using the SAF instead of the conventional approach above, will provide more protection. See Construction Advantage

COMPUTER REFERENCE CODES: CAVI 60 SAF STOP



DESIGNERS' COMMENTS

Use of the Cavi 60 Type SAF Horizontal Barrier / Stop 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

Fire rated closers tested in a cavity wall consisting of two masonry skins. Where use is proposed 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 and the resultant detail is fit for purpose and will perform to the standard created and determined by the user.

PRODUCT NAME - GROUP

Cavi 60 Type SAF Stop

EXPOSURE RATING

Very severe

CAVITY - STANDARD SIZES ACCOMMODATED

Tested in a cavity of 180mm maximum

SPECIAL CAVITY WIDTHS ACCOMMODATED

Yes - state actual cavity width requirement

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

TRADITIONAL CONSTRUCTION

Fire rated closers tested in a cavity wall consisting of two masonry skins

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

HORIZONTAL AND VERTICAL APPLICATIONS

Yes - horizontal and numerous vertical uses

COMPATIBLE WITH OTHER CAVITY WALL ELEMENTS

Yes subject to masonry finishes being appropriate

SECURING TIES SUPPLIED

Friction fit and placement on naturally occurring wall ties for optimum incorporation

PACK SIZES

Packs contain 10 lengths

THERMAL RESISTANCE PATH

Exceeds minimum requirement

WEIGHT PER PACK

10 kg

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

