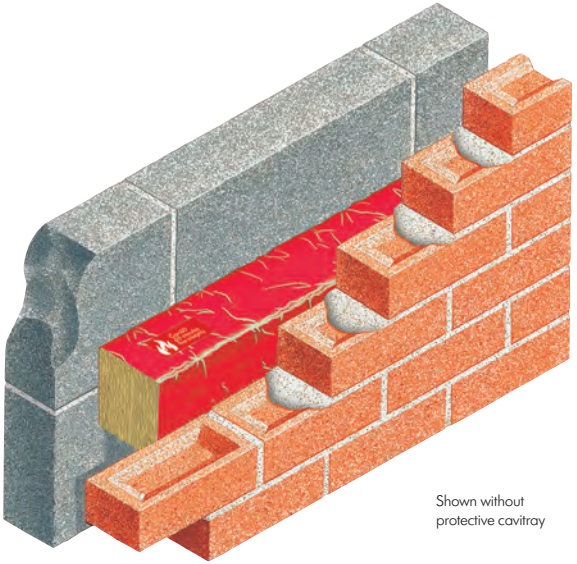
Specifications

Product name - group	Cavi 60 MWR 200
Exposure rating	Very severe
Cavity - standard sizes accommodated	Up to 200mm maximum
Special cavity widths accommodated	Yes – State actual cavity dimension
Common cavity wall applications	Yes – build in cavicheck as illustrated
Corners and links	Lap and butt options
Product sizes	1.2m x 100mm x 200mm max
Protective sleeving	Yes
Acts as insulator	Yes – acts as thermal & fire barrier – see below
Installed as wall is raised	Yes – compresses for optimum fit in cured masonry
Timber frame / traditional construction	Both styles accommodated
Masonry skin styles	Accommodate most types of finish to either skin
Acoustic insulator	Yes – reduces direct and flanking transmission
Fire rated	Yes Prefix denotes 60 mins (1 hr) fire rating when tested as stated, see: Important
Horizontal and vertical applications	Yes – horizontal and vertical uses
Compatible with other cavity wall elements	Yes – DPC cavitray and caviweep compatible
Securing ties supplied	N/A. Friction fit + naturally occurring traditional ties
Pack sizes	Packs contain 10 lengths
Weight per pack	10kg
Material	Rock wool insulator within polysleeve
Colour	Red
Building Regulations	Yes regulations can be satisfied
NHBC	Yes requirements can be satisfied
'k' value of insulation used	0.035W/mK
CFC free	Yes + zero ODP
CAD drawing downloads available	Yes

CAVI 60 TYPE MWR 200

Fire Resistant Barrier / Closer

- One hour fire rated barrier
- Acoustic barrier
- Friction fit or upstand flap fit
- 100mm to 200mm cavity range



Shown without protective cavitray

Requirement

To provide 1 hour fire rated acoustic cavity barrier for use in wider cavity walls in intermediate and top of wall locations.

Solution

This is a larger version of the Type CFIS and accommodates cavities from 100mm up to 200mm. The Cavi 60 prefix denotes one hours fire rating. The insulating core promotes acoustic suppression. Thus this model can be used to address both fire and sound barrier requirements.

This product can also be supplied with an upwardly extending flap on one side of the encapsulation. This provides an alternative fixing option of securing to the inner skin should this be

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
- British Standard 5628-3
- BRE Thermal Insulation Avoiding Risks

Designers' Comments

Extensively used at plate level to provide cost effective closing with sound and fire barrier qualities. Establishes one hour fire rated protective separation between cavity and roof space.

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.



Typical Section

Typical barrier application



Barrier Overlap

Barriers lapped within application



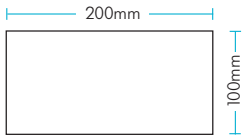
With Cavitray

Barriers with protective tray



Plate Level

Barriers used to close at plate level



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

Cavi 60 Type MWR Maximum Width Range Fire Rated Acoustic Cavity Barrier to close vertically 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 four hour fire integrity rating within our reporting parameters. The Cavi 60 prefix identifies barriers achieving a one hour 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.