

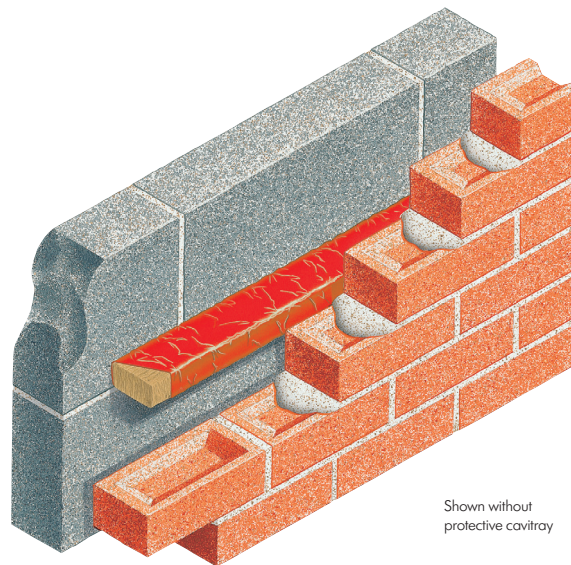
## Specifications

Product name - group	Cavi 240 Type CFIS
Exposure rating	Very severe
Cavity - standard sizes accommodated	Up to 90mm maximum
Special cavity widths accommodated	Yes – compression fit
Common cavity wall applications	Yes – build in cavicheck as illustrated
Corners and links	Lap and butt options
Product sizes	1.2m x 50mm x 90mm max
Protective sleeving	Yes
Acts as insulator	Yes – provides highest fire rating – see below
Installed as wall is raised	Yes – compresses for optimum fit in cured masonry
Construction	Traditional (masonry only)
Masonry skin styles	Compresses to accommodate most skin finishes
Acoustic insulator	Yes – reduces direct and flanking transmission
Fire rated	Yes Cavi 240 prefix denotes 240 mins (4 hrs) rating when tested as stated, see: Important
Horizontal and vertical applications	Yes – horizontal and vertical uses
Compatible with other cavity wall elements	Yes – DPC cavitrays and caviveep compatible
Securing ties supplied	N/A - friction fit + any appropriate ties
Pack sizes	x10 lengths
Weight per pack	7.5kg
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 240 TYPE CFIS

### Fire Resistant Barrier / Closer

- 240 minutes fire integrity rated barrier
- Friction fit or upstand flap fit
- Accompanying moisture protection measures
- For cavity widths up to 90mm



Shown without  
protective cavitrays

### Requirement

To provide 4 hour fire rated acoustic cavity barrier for use in cavity walls in intermediate and top of wall locations.

## Solution

Non-combustible rock mineral insulator promoting acoustic and fire barrier qualities enveloped within a green poly-sleeve. May be compressed to suit cavities of most popular sizes. 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 required. State clearly which version is required. Preformed trays (Arresting Barriers or Dropcloaks) available to provide deflective qualities within cavity.

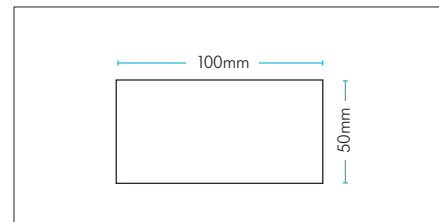
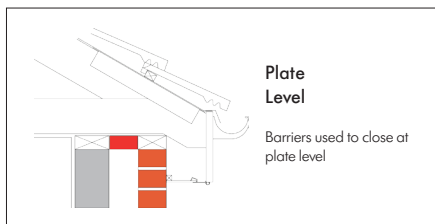
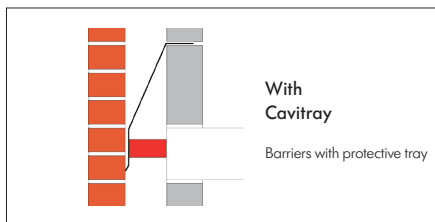
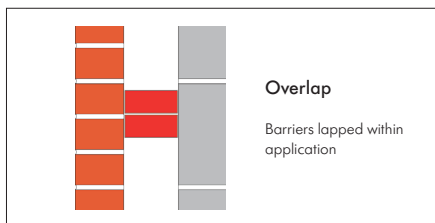
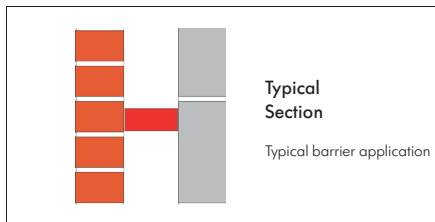
## References

- 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

The four hour rating is the highest currently achievable in this style of barrier and permits the specifier to introduce a higher level of fire protection rating within the financial restraints normally associated with alternatives with lower ratings.

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**

Cavi240 Type CFIS Fire Rated Acoustic Vertical Cavity Barrier to close cavities of external walls. Incorporate and build in carefully observing manufacturers' instructions to ensure continuous and uninterrupted 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 240 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.