

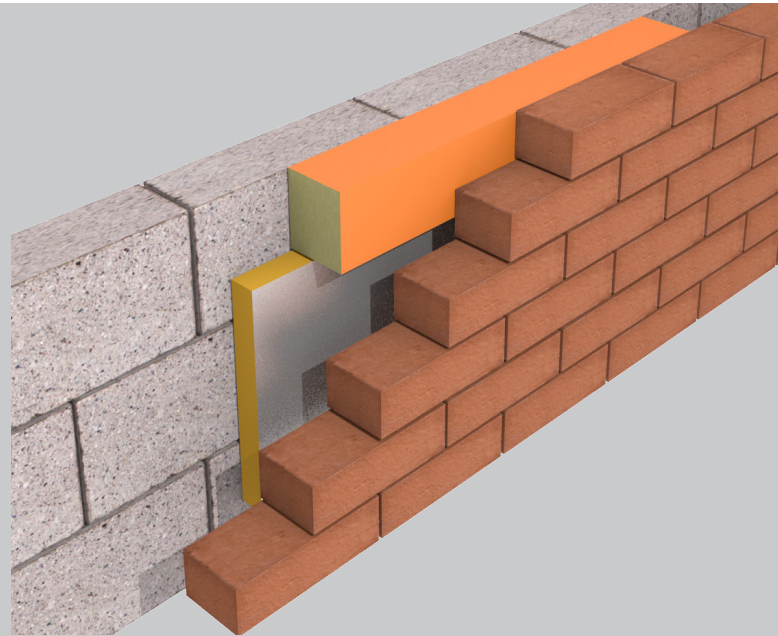
Cavity Stop Sock



cavity fire barrier
for masonry construction

key features

- » Up to four hours fire integrity
- » Specified in semi-detached, apartments and major projects
- » Complies to Robust Detail Part E and Building Regulations
- » Can be manufactured to suit cavity widths up to 300mm
- » Easy to install



Application

ARC Cavity Stop Sock restricts the spread of smoke and flames within external masonry walls, as well as minimising the effect of flanking noise pollution at wall junctions. They are manufactured from low resin, non-combustible rockfibre mineral wool insulation and are sleeved in polythene for on-site protection.

Installation

ARC Cavity Stop Sock is designed to be compression fitted within a masonry cavity as the brick and block work progresses, no mechanical fixing is required. Care should be taken butt joints are tightly fitted with no gaps remaining. The barrier must fully fill the cavity from brick to block, with any cavity insulation cut back. The polythene encapsulation offers on-site weather protection, but can be cut away without affecting the barrier's performance.

Fire Properties

ARC Cavity Stop Sock has been fire tested at Warrington Fire Research, achieving up to four hours fire integrity with traditional masonry brick and block construction. These tests comply with BS 476: Part 20: 1987 and BSEN 1366-4: 2006, using the test method stated EGOLF TC2 N421 (fire resistance for cavity barriers).
Certifire scope: CF5403

Where usage falls outside of this scope, for example when used with external cladding, or with an internal metal frame system, performance of the fire barrier will depend upon the structural integrity and fire performance of the surrounding construction.

Specifiers must ensure any part of the construction that makes up the internal or external leaf of the wall, including support systems, are suitable for use with a fire barrier for the length of fire integrity and insulation required. Particular attention must be paid to any possible deflection or distortion which could cause gaps to form between the material and a fire barrier.

Don't take our word for it, see our certification...



Assessed to ISO 9001 & ISO 14001
BRE Certificate No. 1227



Cavity Stop Sock

Fire Properties (cont.)

In the event of a fire, ARC Building Solutions 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.

Standards

ARC Cavity Stop Sock is manufactured using rockfibre mineral wool which achieves a fire classification of Euroclass A1 as defined in BS EN 13501-1, and conforms to BS EN 13162 and EN16001 Energy Management Systems.

ARC's rockfibre mineral wool insulation has a thermal conductivity of 0.037W/mK.

Storage and Packaging

ARC Cavity Stop Socks are supplied in polythene packs which are designed for transporting and protecting the products. It is not recommended that the packs are stored in direct sunlight. When storing the barriers for longer periods of time it is recommended that the product should be stored indoors, or under cover.

Acoustic Properties

The rockfibre mineral wool insulation used in the manufacture of ARC Cavity Stop Socks & TCBs has the following acoustic absorption properties. Figures quoted were achieved with a solid backing.

Thickness	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz
40mm	0.19	0.46	0.79	0.92	1.00	1.00
100mm	0.57	1.00	1.00	1.00	1.00	1.00

Part E Robust Details compliance:

	Separating Wall/ Party Wall	Separating Floor
Masonry	E-WM 1-21	N/A
Concrete	N/A	E-FC 1-14

Environment

No CFCs or HCFCs are involved in the manufacturing process of ARC's rockfibre mineral wool insulation. The material presents no known threat to the environment and is classed as ODP and GWP zero.

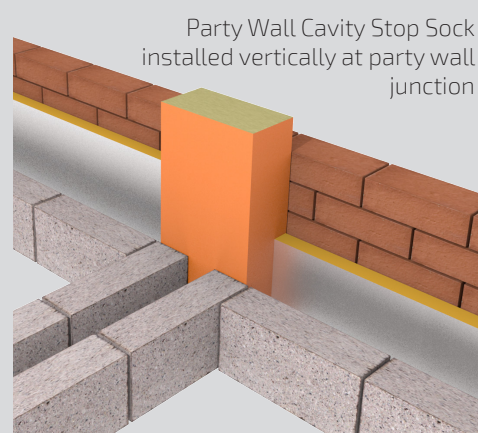
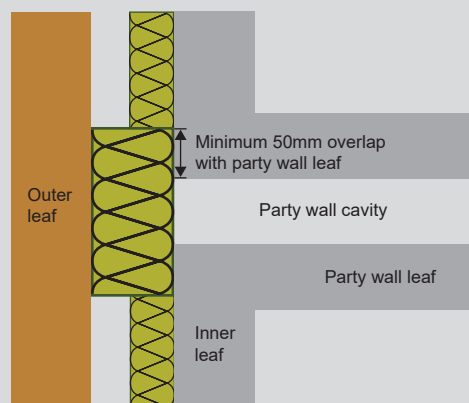
ARC Cavity Stop Sock has a Green Guide rating of A+.

Health and Safety

ARC Building Solutions has an approved Health and Safety Policy and is committed to working and supplying products safely. ARC's rockfibre mineral wool is not classed as a possible human carcinogen. We have assessed products as required by Substances Hazardous to Health Regulations (COSHH). An ARC COSHH data sheet is available and can be downloaded from ARC's website.

Party Wall Junction

ARC's Party Wall Cavity Stop Sock is designed for use at the party wall junction, and should be fitted with a minimum 50mm overlap with the party wall leaf either side of the party wall cavity. At 250mm wide, PWCSS will suit up to a 150mm party wall cavity.



You might also be interested in...

ARC T-Barrier System:
Fire, Thermal and
Acoustic Requirements
at the Party Wall and
Pitched Roof



Cavity Stop Sock

Dimensions & Packaging Specification

Product Code	Suitable for Cavity Width	CSS Colour	Masonry Fire Rating	Dimensions	Pieces per pack	Packs per pallet
CSS50	50mm	Red	4 hrs	65 x 65 x 1200mm	40	12
CSS75	75mm	Red	4 hrs	90 x 75 x 1200mm	35	12
CSS80	80mm	Green	4 hrs	100 x 100 x 1200mm	24	10
CSS85	85mm	Green	4 hrs	105 x 100 x 1200mm	24	10
CSS90	90mm	Green	4 hrs	110 x 100 x 1200mm	20	10
CSS95	95mm	Green	4 hrs	115 x 100 x 1200mm	20	10
CSS100	100mm	Green	4 hrs	120 x 100 x 1200mm	20	10
CSS105	105mm	Green	4 hrs	120 x 120 x 1200mm	15	10
CSS110	110mm	Green	4 hrs	120 x 120 x 1200mm	15	10
CSS115	115mm	Lt Blue	4 hrs	130 x 120 x 1200mm	15	10
CSS120	120mm	Lt Blue	4 hrs	135 x 120 x 1200mm	15	10
CSS125	125mm	Lt Blue	4 hrs	135 x 120 x 1200mm	15	10
CSS130	130mm	Lt Blue	4 hrs	140 x 120 x 1200mm	15	10
CSS135	135mm	Lt Blue	4 hrs	145 x 120 x 1200mm	15	10
CSS140	140mm	Lt Blue	4 hrs	150 x 120 x 1200mm	15	10
CSS145	145mm	Lt Blue	4 hrs	155 x 120 x 1200mm	15	8
CSS150	150mm	Lt Blue	4 hrs	160 x 120 x 1200mm	15	8
CSS155	155mm	Lt Blue	2 hrs	165 x 150 x 1200mm	12	8
CSS160	160mm	Lt Blue	2 hrs	170 x 150 x 1200mm	12	8
CSS165	165mm	Lt Blue	2 hrs	175 x 150 x 1200mm	10	8
CSS170	170mm	Lt Blue	2 hrs	180 x 150 x 1200mm	10	8
CSS175	175mm	Lt Blue	2 hrs	185 x 150 x 1200mm	9	8
CSS180	180mm	Lt Blue	2 hrs	190 x 150 x 1200mm	9	8
CSS185	185mm	Red	2 hrs	195 x 150 x 1200mm	9	8
CSS190	190mm	Red	2 hrs	200 x 150 x 1200mm	9	8
CSS195	195mm	Red	2 hrs	205 x 150 x 1200mm	9	8
CSS200	200mm	Red	2 hrs	210 x 150 x 1200mm	8	10
CSS225	225mm	Black	2 hrs	235 x 200 x 1200mm	3	16
CSS250	250mm	Black	2 hrs	260 x 200 x 1200mm	4	12
CSS275	275mm	Black	2 hrs	285 x 200 x 1200mm	4	12
CSS300	300mm	Black	2 hrs	310 x 200 x 1200mm	4	10
ARC Party Wall Cavity Fire Barriers						
PWCSS50	50mm	Red	4 hrs	55 x 250 x 1200mm	12	10
PWCSS75	75mm	Red	4 hrs	80 x 250 x 1200mm	10	10
PWCSS100	100mm	Red	4 hrs	105 x 250 x 1200mm	8	10
PWCSS125	125mm	Red	4 hrs	130 x 250 x 1200mm	6	10
PWCSS150	150mm	Red	4 hrs	155 x 250 x 1200mm	6	10
PWCSS175	175mm	Red	4 hrs	180 x 250 x 1200mm	4	10
PWCSS200	200mm	Red	4 hrs	205 x 250 x 1200mm	4	10
PWCSS225	225mm	Black	4 hrs	230 x 250 x 1200mm	4	10
PWCSS250	250mm	Black	4 hrs	255 x 250 x 1200mm	4	10
PWCSS275	275mm	Black	4 hrs	280 x 250 x 1200mm	2	12
PWCSS300	300mm	Black	4 hrs	305 x 250 x 1200mm	2	12

Can't find your size? ARC Cavity Stop Sock can be manufactured to suit any cavity width up to 300mm, including any intermediary sizes not listed above. Contact us for more information.