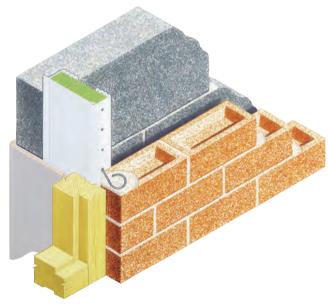
## **Specifications**

Product name - group Exposure Rating Severe 30+mm setback. Very severe when checker Cavity - Standard Sizes Accommodated From 100mm up to 150mm  Special Cavity Widths Accommodated Yes - bespoke closer service offered Straight Reveals Yes - build in profile as supplied Checked Reveals Yes - build in os checked illustration Product Lengths 2.1 m and 3.0 m  Acts as Vertical DPC Yes Acts as Insulator Yes Permits Different Frame Positions Frames Fitted as Work Proceeds or Later Timber Frame / Traditional Construction Both styles *integral movement link Masonry Skin Styles All popular flat faced masonry Undulating Masonry Face Finishes Seek advice providing details of material Acoustic Insulator Yes reduces sound flanking transmission Fire Rated No (see Cavi prefixed WCA for fire rated) Vertical and Horizontal Applications Yes - see examples Compatible with other Cavity Wall Elements No identified restrictions Securing Ties Supplied Yes Pack Sizes x6 lengths Weight per pack 2.1 m x 6 = 14.5 kg. 3.0 m x 6 = 21 kg. Material PVCU + polystyrene inskorfoam Colour White Building Regulations Yes requirements can be satisfied NHBC Yes requirements can be satisfied NHBC Yes requirements can be satisfied		
Cavity - Standard Sizes Accommodated Special Cavity Widths Accommodated Special Cavity Widths Accommodated Yes - bespoke closer service offered Straight Reveals Yes - build in profile as supplied Checked Reveals Yes - build in as checked illustration Product Lengths 2.1 m and 3.0m Acts as Vertical DPC Yes Acts as Insulator Yes Permits Different Frame Positions Frames Fitted as Work Proceeds or Later Timber Frame / Traditional Construction Both styles *integral movement link Masonry Skin Styles All popular flat faced masonry Undulating Masonry Face Finishes Seek advice providing details of material Acoustic Insulator Yes reduces sound flanking transmission Fire Rated No (see Cavi prefixed WVCA for fire rated) Vertical and Horizontal Applications Yes - see examples Compatible with other Cavity Wall Elements No identified restrictions Securing Ties Supplied Yes Pack Sizes xó lengths Weight per pack 2.1 m x 6 = 14.5 kg, 3.0 m x 6 = 21 kg. Material PVCU + polystyrene inskorfoam Colour White Building Regulations Yes requirements can be satisfied NHBC Yes requirements can be satisfied 'K' Value of Insulations COFC Free Yes + zero ODP	Product name - group	Type WCA Cavicloser
Special Cavity Widths Accommodated  Straight Reveals  Yes - build in profile as supplied  Checked Reveals  Yes - build in as checked illustration  Product Lengths  2.1 m and 3.0 m  Acts as Vertical DPC  Yes  Permits Different Frame Positions  Frames Fitted as Work Proceeds or Later  Timber Frame / Traditional Construction  Masonry Skin Styles  Undulating Masonry Face Finishes  Seek advice providing details of material  Acoustic Insulator  Yes - see examples  Compatible with other Cavity Wall Elements  Securing Ties Supplied  Yes  Pack Sizes  Weight per pack  Auterial  PVCU + polystyrene inskorfoam  NHBC  Yes requirements can be satisfied  Kes + zero ODP	Exposure Rating	Severe 30+mm setback. Very severe when checked
Straight Reveals  Checked Reveals  Yes - build in as checked illustration  Product Lengths  Acts as Vertical DPC  Yes  Acts as Insulator  Yes  Permits Different Frame Positions  Frames Fitted as Work Proceeds or Later  Timber Frame / Traditional Construction  Masonry Skin Styles  Undulating Masonry Face Finishes  Seek advice providing details of material  Acoustic Insulator  Yes reduces sound flanking transmission  Fire Rated  No (see Cavi prefixed WCA for fire rated)  Vertical and Horizontal Applications  Yes - see examples  Compatible with other Cavity Wall Elements  No identified restrictions  Securing Ties Supplied  Yes  Pack Sizes  xó lengths  Weight per pack  2.1 m x 6 = 14.5 kg, 3.0 m x 6 = 21 kg.  Material  PVCU + polystyrene inskorfoam  Colour  White  Building Regulations  Yes requirements can be satisfied  1K' Value of Insulations  O.033W/mK / 0.038W/mK as standard  CFC Free  Yes + zero ODP	Cavity - Standard Sizes Accommodated	From 100mm up to 150mm
Checked Reveals  Product Lengths  2.1 m and 3.0 m  Acts as Vertical DPC  Yes  Acts as Insulator  Permits Different Frame Positions  Frames Fitted as Work Proceeds or Later  Timber Frame / Traditional Construction  Masonry Skin Styles  Undulating Masonry Face Finishes  Seek advice providing details of material  Acoustic Insulator  Yes – see examples  Compatible with other Cavity Wall Elements  No identified restrictions  Securing Ties Supplied  Yes  Pack Sizes  Xo lengths  Weight per pack  All polar 14.5 kg. 3.0 m x 6 = 21 kg.  Material  PVCU + polystyrene inskorfoam  Colour  White  Building Regulations  Yes requirements can be satisfied  N' Value of Insulations  O.033W/mK / 0.038W/mK as standard  CFC Free  Yes + zero ODP	Special Cavity Widths Accommodated	Yes - bespoke closer service offered
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Acts as Insulator Yes  Permits Different Frame Positions Frames Fitted as Work Proceeds or Later Timber Frame / Traditional Construction Masonry Skin Styles All popular flat faced masonry Undulating Masonry Face Finishes Seek advice providing details of material Acoustic Insulator Yes reduces sound flanking transmission Fire Rated No (see Cavi prefixed WCA for fire rated) Vertical and Horizontal Applications Yes – see examples Compatible with other Cavity Wall Elements No identified restrictions Securing Ties Supplied Yes Pack Sizes xó lengths Weight per pack 2.1 m x 6 = 14.5 kg. 3.0 m x 6 = 21 kg. Material PVCU + polystyrene inskorfoam Colour White Building Regulations Yes requirements can be satisfied 'K' Value of Insulations 0.033W/mK / 0.038W/mK as standard CFC Free Yes + zero ODP	Checked Reveals	Yes - build in as checked illustration
Acts as Insulator Permits Different Frame Positions Frames Fitted as Work Proceeds or Later Timber Frame / Traditional Construction Masonry Skin Styles All popular flat faced masonry Undulating Masonry Face Finishes Seek advice providing details of material Acoustic Insulator Fire Rated No (see Cavi prefixed WCA for fire rated) Vertical and Horizontal Applications Yes – see examples Compatible with other Cavity Wall Elements No identified restrictions Securing Ties Supplied Yes Pack Sizes x6 lengths Weight per pack 2.1 m x 6 = 14.5 kg, 3.0 m x 6 = 21 kg. Material PVCU + polystyrene inskorfoam Colour White Building Regulations Yes requirements can be satisfied 'K' Value of Insulations 0.033W/mK / 0.038W/mK as standard CFC Free Yes + zero ODP	Product Lengths	2.1 m and 3.0 m
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Frames Fitted as Work Proceeds or Later Timber Frame / Traditional Construction Masonry Skin Styles All popular flat faced masonry Undulating Masonry Face Finishes Seek advice providing details of material Acoustic Insulator Yes reduces sound flanking transmission Fire Rated No (see Cavi prefixed WCA for fire rated) Vertical and Horizontal Applications Yes – see examples Compatible with other Cavity Wall Elements No identified restrictions Securing Ties Supplied Yes Pack Sizes x6 lengths Weight per pack 2.1 m x 6 = 14.5 kg, 3.0 m x 6 = 21 kg. Material PVCU + polystyrene inskorfoam Colour White Building Regulations Yes requirements can be satisfied NHBC Yes requirements can be satisfied  K' Value of Insulations O.033W/mK / 0.038W/mK as standard CFC Free Yes + zero ODP	Acts as Insulator	Yes
Timber Frame / Traditional Construction  Masonry Skin Styles  All popular flat faced masonry  Undulating Masonry Face Finishes  Seek advice providing details of material  Acoustic Insulator  Yes reduces sound flanking transmission  Fire Rated  No (see Cavi prefixed WCA for fire rated)  Vertical and Horizontal Applications  Yes – see examples  Compatible with other Cavity Wall Elements  No identified restrictions  Securing Ties Supplied  Yes  Pack Sizes  x6 lengths  Weight per pack  2.1 m x 6 = 14.5 kg, 3.0 m x 6 = 21 kg.  Material  PVCU + polystyrene inskorfoam  Colour  White  Building Regulations  Yes regulations can be satisfied  NHBC  Yes requirements can be satisfied  'K' Value of Insulations  O.033W/mK / 0.038W/mK as standard  CFC Free  Yes + zero ODP	Permits Different Frame Positions	Yes
Masonry Skin Styles       All popular flat faced masonry         Undulating Masonry Face Finishes       Seek advice providing details of material         Acoustic Insulator       Yes reduces sound flanking transmission         Fire Rated       No (see Cavi prefixed WCA for fire rated)         Vertical and Horizontal Applications       Yes − see examples         Compatible with other Cavity Wall Elements       No identified restrictions         Securing Ties Supplied       Yes         Pack Sizes       x6 lengths         Weight per pack       2.1 m x 6 = 14.5kg, 3.0 m x 6 = 21 kg.         Material       PVCU + polystyrene inskorfoam         Colour       White         Building Regulations       Yes regulations can be satisfied         NHBC       Yes requirements can be satisfied         'K' Value of Insulations       0.033W/mK / 0.038W/mK as standard         CFC Free       Yes + zero ODP	Frames Fitted as Work Proceeds or Later	Yes - first or second fix options
Undulating Masonry Face Finishes  Seek advice providing details of material  Acoustic Insulator  Yes reduces sound flanking transmission  Fire Rated  No (see Cavi prefixed WCA for fire rated)  Vertical and Horizontal Applications  Yes – see examples  Compatible with other Cavity Wall Elements  No identified restrictions  Securing Ties Supplied  Yes  Pack Sizes  Vélengths  Weight per pack  2.1 m x 6 = 14.5 kg, 3.0 m x 6 = 21 kg.  Material  PVCU + polystyrene inskorfoam  Colour  White  Building Regulations  Yes regulations can be satisfied  NHBC  Yes requirements can be satisfied  'K' Value of Insulations  0.033W/mK / 0.038W/mK as standard  CFC Free  Yes + zero ODP	Timber Frame / Traditional Construction	Both styles *integral movement link
Acoustic Insulator  Fire Rated  No (see Cavi prefixed WCA for fire rated)  Vertical and Horizontal Applications  Compatible with other Cavity Wall Elements  Securing Ties Supplied  Yes  Pack Sizes  Veight per pack  2.1 m x 6 = 14.5 kg, 3.0 m x 6 = 21 kg.  Material  PVCU + polystyrene inskorfoam  Colour  White  Building Regulations  Yes requirements can be satisfied  NHBC  Yes requirements can be satisfied  K' Value of Insulations  O.033W/mK / 0.038W/mK as standard  CFC Free  Yes + zero ODP	Masonry Skin Styles	All popular flat faced masonry
Fire Rated  No (see Cavi prefixed WCA for fire rated)  Vertical and Horizontal Applications  Yes – see examples  Compatible with other Cavity Wall Elements  No identified restrictions  Securing Ties Supplied  Yes  Pack Sizes  Xo lengths  Weight per pack  2.1 m x 6 = 14.5 kg, 3.0 m x 6 = 21 kg.  Material  PVCU + polystyrene inskorfoam  Colour  White  Building Regulations  Yes regulations can be satisfied  NHBC  Yes requirements can be satisfied  K' Value of Insulations  0.033W/mK / 0.038W/mK as standard  CFC Free  Yes + zero ODP	Undulating Masonry Face Finishes	Seek advice providing details of material
Vertical and Horizontal Applications  Compatible with other Cavity Wall Elements  No identified restrictions  Securing Ties Supplied  Yes  Pack Sizes  x6 lengths  Weight per pack  2.1 m x 6 = 14.5 kg, 3.0 m x 6 = 21 kg.  Material  PVCU + polystyrene inskorfoam  Colour  White  Building Regulations  Yes regulations can be satisfied  NHBC  Yes requirements can be satisfied  'K' Value of Insulations  0.033W/mK / 0.038W/mK as standard  CFC Free  Yes + zero ODP	Acoustic Insulator	Yes reduces sound flanking transmission
Compatible with other Cavity Wall Elements No identified restrictions  Securing Ties Supplied Yes  Pack Sizes x6 lengths  Weight per pack 2.1 m x 6 = 14.5 kg. 3.0 m x 6 = 21 kg.  Material PVCU + polystyrene inskorfoam  Colour White  Building Regulations Yes regulations can be satisfied  NHBC Yes requirements can be satisfied  'K' Value of Insulations 0.033W/mK / 0.038W/mK as standard  CFC Free Yes + zero ODP	Fire Rated	No (see Cavi prefixed WCA for fire rated)
Securing Ties Supplied         Yes           Pack Sizes         x6 lengths           Weight per pack         2.1 m x 6 = 14.5 kg. 3.0 m x 6 = 21 kg.           Material         PVCU + polystyrene inskorfoam           Colour         White           Building Regulations         Yes regulations can be satisfied           NHBC         Yes requirements can be satisfied           'K' Value of Insulations         0.033W/mK / 0.038W/mK as standard           CFC Free         Yes + zero ODP	Vertical and Horizontal Applications	Yes – see examples
Pack Sizes         x6 lengths           Weight per pack         2.1 m x 6 = 14.5 kg. 3.0 m x 6 = 21 kg.           Material         PVCU + polystyrene inskorfoam           Colour         White           Building Regulations         Yes regulations can be satisfied           NHBC         Yes requirements can be satisfied           'K' Value of Insulations         0.033W/mK / 0.038W/mK as standard           CFC Free         Yes + zero ODP	Compatible with other Cavity Wall Elements	No identified restrictions
Weight per pack         2.1 m x 6 = 14.5 kg. 3.0 m x 6 = 21 kg.           Material         PVCU + polystyrene inskorfoam           Colour         White           Building Regulations         Yes regulations can be satisfied           NHBC         Yes requirements can be satisfied           'K' Value of Insulations         0.033W/mK / 0.038W/mK as standard           CFC Free         Yes + zero ODP	Securing Ties Supplied	Yes
Material PVCU + polystyrene inskorfoam  Colour White  Building Regulations Yes regulations can be satisfied  NHBC Yes requirements can be satisfied  'K' Value of Insulations 0.033W/mK / 0.038W/mK as standard  CFC Free Yes + zero ODP	Pack Sizes	x6 lengths
Colour White  Building Regulations Yes regulations can be satisfied  NHBC Yes requirements can be satisfied  'K' Value of Insulations 0.033W/mK / 0.038W/mK as standard  CFC Free Yes + zero ODP	Weight per pack	2.1 m x 6 = 14.5kg. 3.0m x 6 = 21 kg.
Building Regulations Yes regulations can be satisfied  NHBC Yes requirements can be satisfied  'K' Value of Insulations 0.033W/mK / 0.038W/mK as standard  CFC Free Yes + zero ODP	Material	PVCU + polystyrene inskorfoam
NHBC Yes requirements can be satisfied  'K' Value of Insulations 0.033W/mK / 0.038W/mK as standard  CFC Free Yes + zero ODP	Colour	White
'K' Value of Insulations 0.033W/mK / 0.038W/mK as standard  CFC Free Yes + zero ODP	Building Regulations	Yes regulations can be satisfied
CFC Free Yes + zero ODP	NHBC	Yes requirements can be satisfied
	'K' Value of Insulations	0.033W/mK / 0.038W/mK as standard
CAD Drawing Downloads Available Yes	CFC Free	Yes + zero ODP
	CAD Drawing Downloads Available	Yes

# **TYPE WCA**

## Closer for wide cavity installations

- Closes cavities up to 150mm wide
- Function as vertical DPC
- Insulates reveal
- Permits choice of frame positions
- Micro fins

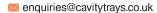


## Requirement

To close reveal and provide dpc and thermal qualities plus movement provision.







#### Solution

WCA stands for wide cavity applications. The large insulating core promotes excellent thermal qualities. The WCA is available to suit cavities up to 150mm wide and is secured in position using accompanying ties.

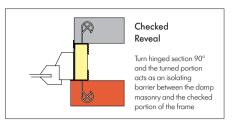
The side of the closer nearest the inner leaf has a friction fit relationship with the rest of the closer body. Thus in timber frame construction the closer can be screwed or nailed to the inner leaf, and the arrangement can benefit expansion and contraction provision.

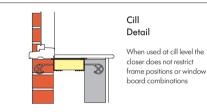
#### References

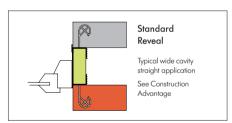
- Investigating Rainwater Penetration of Modern Buildings (Masonry 129)
- Building Regulations Part L
- British Standard 5628-3
- BRE Thermal Insulation Avoiding Risks
- Website: cavitytraystandards.co.uk
- Robust Details
- Scottish Tech Standards Part D

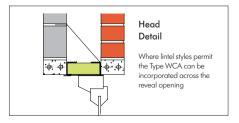
### Continuity Advantage Option

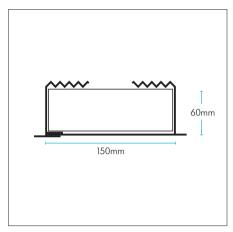
An optional extended insulating core (similar to Continuity Closer) can be provided on this product so it can interface with partial fill insulation. Option available only where cavity width is 100mm or more. State clearly if this interfacing option is required.











## **Designers' Comments**

In timber frame applications direct screw fixing to the inner leaf is possible as closer has an integral friction link moulding offering some vertical differential movement provision. See also checked reveal hinge advantage.

#### 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

Type WCA Cavicloser to all window and door reveals in cavity walls. Build in carefully observing manufacturers' instructions to ensure correct installation. (2.1 and 3.0m lengths). Metres run



