

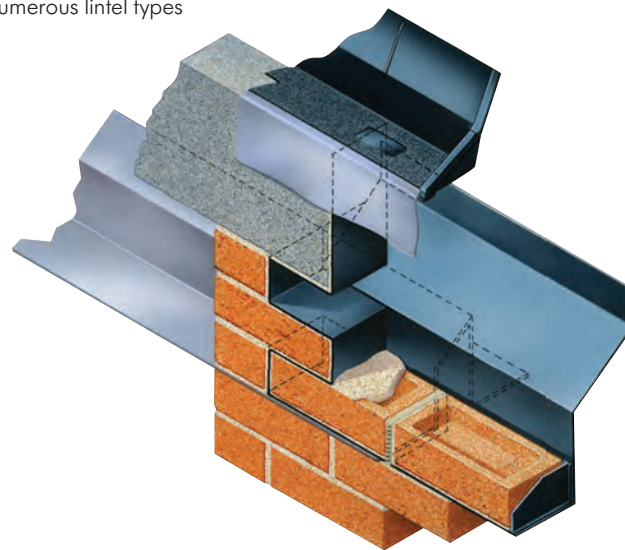
Specifications

Product name - group	Type BWVC Bay Window Vertical Cavity
Cavity widths accommodated	From 50mm up to 400mm
Dimensions	Variable to suit lintel and tray placement up to 6 brickwork courses. The standard size type BWVC suits most applications. Bespoke models available.
Bespoke options	Yes
Traditional construction compatible	Yes
Timber frame construction compatible	Yes
New work applications	Yes
Retrofit applications	Yes
Masonry skin styles	No known limitation
Undulating masonry faces	Compatible
Curved wall on plan applications	Yes
Congruent with other wall elements	No identified incompatibility
Arrested water evacuation	Via Caviweeps (selection) in perp joints
Thermal transmission of material	Negligible
Material	Petheleyne DPC
Colour	Black
Extrudes / compresses under load	No
Pack size / weight	Varies pending design
CFC	CFC Free
ODP	Zero
Regulation compliance	Yes
May be used if cavity insulation present?	Functionality not affected
CAD downloads	Yes

TYPE BWVC

Bay Window Vertical Cavity

- Ready shaped vertical interfacing
- Prevents horizontal damp ingress
- Not visible once installed
- Traditional and timber frame construction
- Bonding not interrupted
- Suits numerous lintel types



Use the Type BWVC to satisfy the requirements for bay windows identified within NHBC Risk Guide

(revised 08/17 - Technical Extra 15)

Use

To prevent wet external skin masonry at the side of a bay window from conveying dampness inwardly via the unprotected courses separating the higher (bay roof) tray arrestment level from the lower (bay support) lintel level.

Solution

The Type BWVC is a preformed DPC cavitray that vertically connects two levels within the same masonry skin without adversely interrupting bonding or coursing. Its presence prevents horizontal damp transference. It is extensively used in bay window construction where the level of the roof intersection and that of the support lintel spanning the bay is not shared and separating courses exist between them.

Type BWVC units are handed and available to suit brickwork / block work coursings. Units are introduced at each end of the lintel and provide permanent DPC connection upwardly to the cavitray at roof intersection level.

How to Order

Select a Type BWVC to suit your masonry. The standard Type BWVC suits brickwork coursing and will link up to six courses between the base of lintel and base of the roof intersection tray/DPC. Other versions are also available to suit 150mm and 225mm coursing. Use our Help Desk service - We will be pleased to identify the most appropriate Type BWVC to suit your bay construction upon receipt of details

Designers' Comments

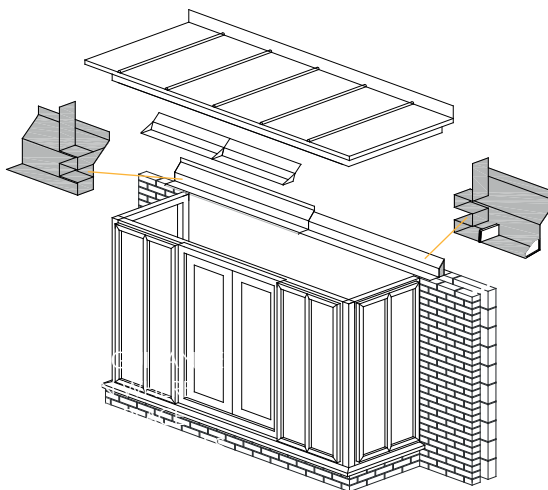
Absorption testing standards do not replicate the severity of rain experienced in the UK. (Example: BS 4315 tests by spraying water on to masonry for one minute at half hourly intervals for 48 hours. This equates to 96 minutes of rain spread over two days with consistent drying periods between each spray). In comparison recent UK weather subjected structures to continuously long periods of wind-accompanied rain saturation and our recommendations to consider such conditions and incorporate vertical arrestment to prevent lateral transference were vindicated. As bay window fascias and facades increase in depth, so does the susceptibility to horizontal wet transference. Product not readily visible once installed.



The greater the distance between lintel level and roof intersection DPC/tray level, the greater the susceptibility to damp permeating horizontally across the bay.



The extensive fascia height means there are a considerable number of masonry courses between the bay support lintel and the higher roof/tray intersection level. To prevent damp permeating between the two it is necessary to incorporate a vertical link whilst maintaining coursing and bond.



Bill of Quantity / Specification Wording

F30 -Clause 370 Preformed Cavity Trays

Manufacturer: Cavity Trays Ltd, Yeovil
Somerset BA22 8HU Tel: 01935 474769

Type BWVC Bay Window Vertical Cavitray to be built into exterior skin each side of bay to link lintel with roof intersection level. Build in carefully observing manufacturers' instructions to ensure watertight installation. Number of pairs _____.