Type H Cavicloser
universal cavity closer, insulator
and damp-proof course

- Closes cavity and accommodates a range of cavity widths
- Acts as a DPC
- Insulates and introduces a thermal zone
- Permits choice of frame position
- Frame fixing when work proceeds or at later date
- Integral Fins

problem
How to close cavity wall. Insulate cavity reveal. Satisfy DPC requirements and introduce positive frame fixing.

introduction
The Type H cavicloser is the first specifically designed universal cavicloser. It permits openings in cavity walls to be quickly closed in a uniform, standardised manner.

The Type H cavicloser is universal as its unique two-part design permits permutations to accommodate different sized cavities and different frame positions. The Type H benefits the contractor in terms of speed, regulation compliance, versatility and quality of build.

solution
The Type H cavicloser consists of two parts, the main quadrate section and the face plate. The quadrate section is rectangular in shape and moulded with channels which are multi-functional. These channels are shaped to receive the off-set linking portion of the face plate. The two parts are readily united to create numerous closer shapes. The thermal filling within the Type H quadrate section can provide an aggregate U value in typical construction which can meet the new part L target U value of 0.35 for England and Wales and 0.30 for Scotland, with appropriate insulation and masonry construction and the frame position optimised.

Thus, the Type H provides thermal zone to the reveal. Regulation compliance and levels of insulation comfort can be achieved automatically. The Type H permits conventional wall ties to be used throughout the cavity walls up to the reveal closer. The actual closer then has its own anchoring ties.

building-in
The Type H cavicloser can be built-in as work proceeds and the frames introduced at a later date. Alternatively, the faceplate can be secured to the edge of a frame and the quadrate attached, permitting the entire assembly to be built-in in one operation. In all instances direct fix frame to masonry. Instructions accompany all supplies.

tyling-in
Type H ties promote positive anchoring at 225mm centres. Each tie aids mortar infill integrity. In addition, each tie is off-set, so it may be appropriately positioned to promote positive anchoring.

non-standard window positions
Because the faceplate connection jaw is off-set, the installer may use this to advantage to cater for unusual frame positions. Thus the faceplate may be predominantly forward of the cavity, or alternatively vice versa.

The profiled faceplate incorporates angled fins, which introduce a recessed anticapil arrangement between frame and closer.

At all times the frame position must comply with Building Regulations and thermal guidelines requiring the frame to overlap the cavity being closed by not less than 30mm.

The Type H may be used to close the reveal opening vertically and also horizontally at sill level. In addition (pending the lintel detail), the Type H may be used to close and insulate the head.

sizes
Available in two sizes. H1 (50mm x 75mm). Face closer 125mm overall. Suitable for cavities of 50mm or 75mm. H2 (65mm x 95mm). Face closer 150mm overall. Suitable for cavities of 75mm or 100mm. Both models available in lengths of 2.1m and 3.0m. Lengths of 3.6m available by special order.

material
PVCU compound. Polystyrene (Inskorfoam) sampled typical analysis 0.035 W/mK.

important
Closers aid thermal efficiency and compliance of regulation requirements dependent on all associated and adjacent work being constructed to the most beneficial design using materials that promote optimum thermal performance with frames being positioned to provide the maximum thermal efficiency in accordance with best practice dimensions and legislation. Always determine suitability.
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**designers’ comments**

In investigating the use of the closers, architects and builders commented upon the convenience of the conventionally closed reveal using masonry, as it permitted a range of frame positions to be accommodated (no projections into the reveal). The Type H format provides the equivalent of a clear/flush reveal, with the advantages of an anticapil frame/closer relationship. Coupled with the thermal zone which has been developed to provide enhanced insulation around the opening, plus the DPC compliance, the Type H cavicloser embraces all the qualities demanded. The other practical consideration is the need for the merchant and contractor to stock or purchase just one style of cavicloser.

When calculating a U value this product may be taken as part of the wall. Drylining to door reveals is recommended and the plasterboard should run in front of the faceplate. Ifrendering and setting window reveals, ensure dimension and continuation of finish is appropriate to promote bonding and solidity.

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colour
Contract white.

bill of quantity wording
Type H universal cavicloser from Cavity Trays of Yeovil, Somerset BA22 8HU (01935 474 769).
Lock together the two-part closer to accommodate the desired cavity width and frame fixing position. Fit dyadic ties at 225mm centres when raising masonry. Total run in metres = .... Total ties = ....

ordering/regulations
See inside back cover for details.

related products and applications
See all other closers within this section. When installed, frames may be pointed using silicon caulking. See Siliconbond.