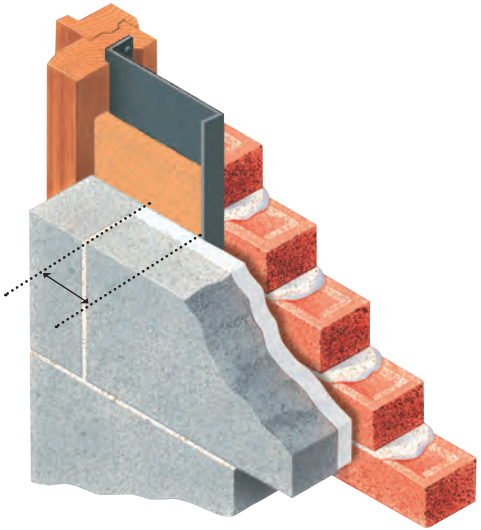
Specifications

Product name - group	Type DIP DPC & Interfacing Insulator
Exposure Rating	Severe / Very Severe pending profile
Cavity - Standard Sizes Accommodated	Profiles available to suit all cavity dimensions
Special Cavity Widths Accommodated	Yes – all dimensions variable
Straight Reveals	Yes - build in profile as supplied
Checked Reveals	Yes - see illustrated version / style
Product Lengths	2.4m
Acts as Vertical DPC	Yes
Acts as Insulator	Yes
Permits Different Frame Positions	Yes
Frames Fitted as Work Proceeds or Later	Build in when wall is raised
Timber Frame / Traditional Construction	Both styles accommodated
Masonry Skin Styles	All popular flat faced masonry
Undulating Masonry Face Finishes	Seek advice providing details of material
Acoustic Insulator	Acoustic insulation option available
Fire Rated	No (see Cavi prefixed range for fire rated)
Vertical and Horizontal Applications	Vertical. Horizontal versions to order
Compatible with other Cavity Wall Elements	No identified restrictions
Securing Ties Supplied	N/A
Pack Sizes	x10 lengths
Weight per pack	Dependent on profile. Average pack 8kg
Material	Polypropylene DPC + polystyrene BS 3836-1986
Colour	Black with tinted white insulator
Building Regulations	Yes regulations can be satisfied
NHBC / Zurich / Premier Requirements	Yes requirements can be satisfied
'K' Value of Insulations	0.033W/mK / 0.038W/mK
CFC Free	Yes + zero ODP
Possible Composite Thermal Resistance Path	0.89 m² K/W (25mm) 1.55 m² K/W (50mm)
CAD Drawing Downloads Available	Yes

TYPE DIP

Type D Interfacing Profile

- Vertical damp-proof course
- Thermal break
- Interfaces with cavity insulation
- Eliminates thermal spiking
- Rigid profile ensures consistency of build



Requirement

To provide vertical dpc and thermal break plus integration with partial fill cavity insulation when closing a reveal in the traditional manner.

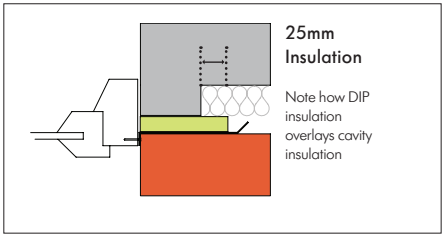
Solution

The Type DIP (Type D Interfacing Profile) is used where the mason is returning block work at the reveal in the traditional manner, and partial fill insulation is present within the cavity. The Type DIP is manufactured of solid DPC to which is bonded insulation.

The DPC profile extends sufficiently into the cavity to permit this insulation to overlay the cavity slab insulation and maximise the thermal arrangement whenever inner and outer skins meet. Different profiles are available for both straight and checked applications to suit structural requirements.

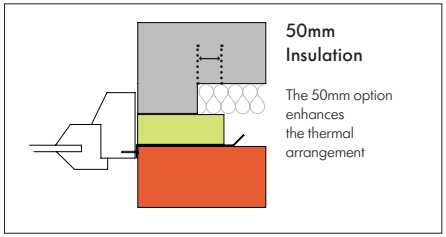
References

- 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
- BS EN ISO 6946:1997



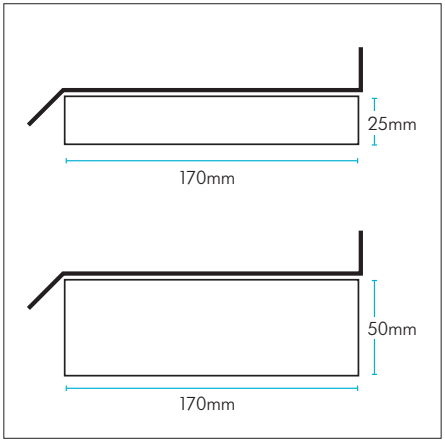
25mm Insulation

Note how DIP insulation overlays cavity insulation



50mm Insulation

The 50mm option enhances the thermal arrangement



Designers' Comments

Type DIP Interfacing Profile permits traditional closing and importantly interfaces with the cavity sheet insulation. This avoids vertical breaks (spiking) that can manifest if the cavity sheet insulation is not accurately and consistently cut up to the reveal. The Type DIP promotes cost effective traditional closing with enhanced thermal status.

Where partial fill insulation is present in the cavity, the Type DIP can project to overlay it. In so doing it covers gaps where the partial fill insulation stops short of the reveal masonry return. Building Regulations L1A, 5.9 states there shall be no reasonably avoidable thermal bridges caused by gaps.

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 D / Type DIP Damp Proof Course to vertically close traditionally built reveals at window and door openings. Build in carefully observing manufacturers' instructions to ensure correct installation. (2400mm lengths). Metres run _____.