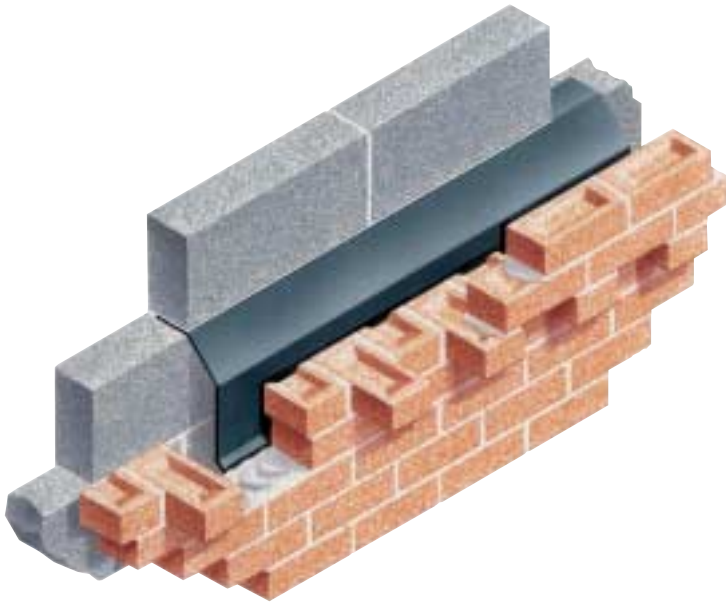


Type CD Cavity Dropcloaks



- DPC control independent of external masonry skin
- Uninterrupted structural bonding of outer skin
- Traditional and timber-frame compatibility
- Available in all dimensions

problem

How to DPC protect a high level masonry feature of the outer skin of a cavity wall, in a manner that does not weaken or affect the structural bonding of the skin in question.

introduction

Cavity wall integrity is dependent on the cavity status being maintained. Where intentional projections and restrictions exist within a cavity wall, cavity dropcloaks ensure penetrating water cannot permeate beyond such projections or restrictions. Cavity dropcloaks introduce a barrier isolating the inner skin, whilst being independent of the outer skin. Thus the structural bond of any external masonry feature is unbroken. This is particularly important where dentils or corbelling are featured.

from outer leaf. They may be employed where masonry horizontally steps or where projections exist within the cavity. Where masonry features such as dentils or corbels are incorporated, one might normally expect the DPC measures to be incorporated in the external skin rather than the inside skin. However, with a minimal amount of external skin masonry bearing on the DPC at high level such interruptions weaken the masonry mass. In comparison dropcloaks avoid such interruption so structural integrity is maintained.



Cavity dropcloaks protect high-level dentil coursing and intermediate strings. The masonry bonding of the exterior skin is not interrupted. (1752)

Type CD Dropcloaks may be used in both timber-frame and traditional construction. Where fire or acoustic barriers are incorporated, dropcloaks prevent penetrating water bridging the cavity via such barriers. Similarly where

separating floors of concrete break the vertical continuity of a masonry inner skin dropcloaks may be used to satisfy the obligatory damp protection requirements. Compared with the textbook approach illustrated, the use of dropcloaks additionally safeguards against mortar bridging between concrete and external skin.

sizes

Examples of popular sizes are illustrated. Most profiles accommodate cavities 50mm to 100mm. For clarity always specify actual cavity width. Also available in dimensions to suit specific requirements.

material

Petheleyne.

colour

Black.

installation/site work

Cavity Dropcloaks should be incorporated at the appropriate stage in construction following good practice and recommendations of BS5628 and Robust Details. Build into inside skin or secure against inside skin (if timber-frame) as per instructions that accompany all consignments.

bill of quantity wording

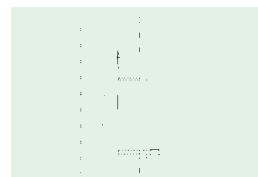
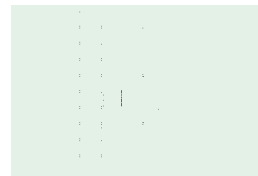
Type CD cavity dropcloaks by Cavity Trays of Yeovil, Somerset. BA22 8HU. (01935 474769). Profile: stipulate. Incorporate at level shown following manufacturer's instructions. Type CD cavity dropcloaksmetres run. Angles internal ...number. Angles externalnumber.

ordering/regulations

See inside back cover.

related products and applications

See also Arresting Barriers and Type C Cavitrays for damp protection. See Type CFIS for cavity barriers/fire stops. See Type PWIB for combined DPC and fire barrier.



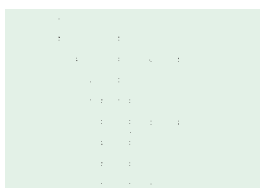
Where horizontal cavity stops or barriers are also incorporated to comply with Robust Details Part E, Dropcloaks prevent penetrating water tracking on the top surface of the barrier.

designers' comments

There are added considerations where a cavity is fully filled or partially filled. Where the inner face of the external skin is not maintained in one vertical plane because of a masonry feature or stability arrangement, always take added protective measures. Similarly, where the external skin is of a material that deviates in depth (example: stone that projects randomly into cavity) additional protection is essential. Failure to do so will result in water ingress, as discharge will be directed into the body of the insulation rather than against it in the case of full fill, and possibly against the insulation in the case of partial fill.

technical observations

Branded with name and logo as proof of type and accompanying warranty.



solution

Type CD Cavity Dropcloaks are preformed DPC units built into the inner leaf of a cavity wall. They isolate the inner leaf