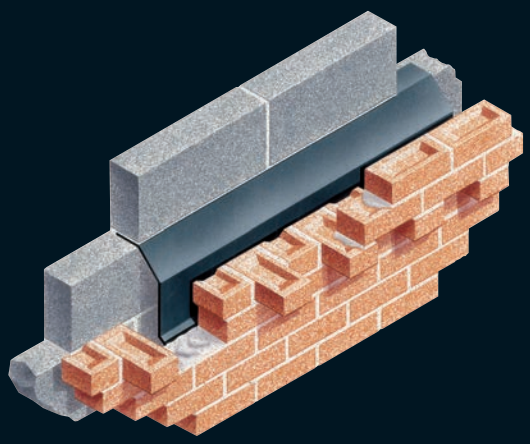
Type CD

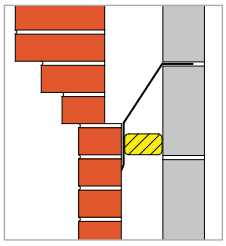
Cavity Dropcloaks

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



USE

To protect a high level masonry feature that impinges a cavity without weakening or affecting the structural bonding of that feature.
To protect a conventionally shaped acoustic or fire cavity barrier from acting as a cavity-crossing bridge for penetrating water.



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

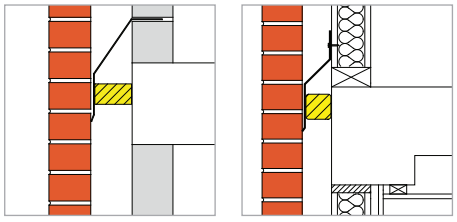
SOLUTION

Type CD Cavity Dropcloaks are preformed DPC barriers built into the inner leaf only of a cavity wall. They isolate the inner leaf from the outer leaf where masonry impinges, horizontally steps or projects into the cavity. Type CD Dropcloaks can also prevent the top surface of a conventional cavity barrier acting as a bridge for penetrating water.

Where a masonry feature is at the top of a cavity wall, any horizontal interruption of the external skin masonry by DPC weakens the masonry mass. By isolating both skins using a Type CD Cavity Dropcloak supported at higher level on the inner skin, the structural bonding of the feature remains uninterrupted. Dropcloaks are available for use in both timber frame and traditional constructions.

SPECIFICATION WORDING

Type CD Cavity Dropcloaks by Cavity Trays of Yeovil Somerset BA22 8HU (01935 474769).
Dropcloak dimensions .....mm drop x metres run.....
Request liability/conformity document upon completion.



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.

PRODUCT NAME - GROUP
Type CD Cavity Dropcloak

CAVITY WIDTHS ACCOMMODATED
From 50mm up to 200mm

DIMENSIONS
2440mm lengths x 150 /200/250/300mm

BESPOKE OPTIONS
Yes

TRADITIONAL CONSTRUCTION COMPATIBLE
Yes

TIMBER FRAME CONSTRUCTION COMPATIBLE
Yes Cavistrap supported version

NEW WORK APPLICATIONS
Yes

RETROFIT APPLICATIONS
Some – pending top of wall access

MASONRY SKIN STYLES
No known limitation

UNDULATING MASONRY FACES
Compatible

CURVED WALL ON PLAN APPLICATIONS
Yes – see Curved Wall entries

JOINTING METHOD
Lap 150mm & sealing strip jointing

CONGRUENT WITH OTHER WALL ELEMENTS
No identified incompatibility

ARRESTED WATER EVACUATION
N/A deflects to original path

THERMAL TRANSMISSION OF MATERIAL
Negligible - 0.16 average

MATERIAL
Polypropylene DPC

COLOUR
Black

EXTRUDES / COMPRESSES UNDER LOAD
No

PACK SIZE / WEIGHT
Available individually

CFC
CFC Free

ODP
Zero

REGULATION COMPLIANCE
Yes can be used to satisfy arrestment

MAY BE USED IF CAVITY INSULATION PRESENT?
Insulation should not affect functionality

CAD DOWNLOADS
Yes

DESIGN CONSIDERATIONS
Non-sheltered, open and dentil eaves closing can still deploy a fire/acoustic cavity barrier as the Type CD can cloak against damp without compromising bonding

DESIGNERS' COMMENTS

Water penetrating an external skin can discharge off the furthest projection into a cavity. Consider introducing protection where a cavity is partially or fully filled if the inner face of the external skin inside steps inwardly or outwardly between ground and eaves level. Where cavity insulation is present but not installed uninterrupted for the full height of a gable, Dropcloaks can be used to provide protection as identified in PD 6697:2010 6.2.7.7.6 For aesthetic reasons, designers may sometimes include features which lead to increased local exposure of the masonry. As a result, the masonry will be more likely to become very wet or saturated, so increasing the risk of frost damage or disfiguration - 6.2.8.5.1.