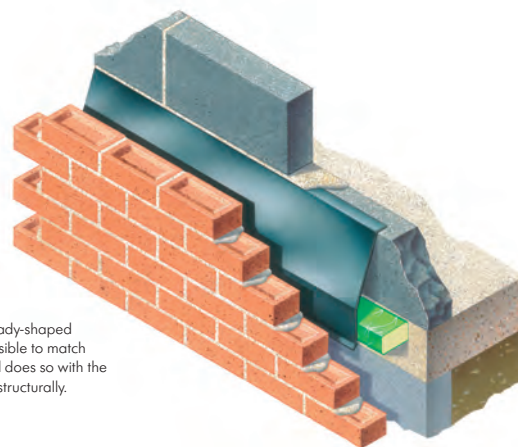


Specifications

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	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

TYPE CD

- DPC control independent of external masonry skin
- Uninterrupted structural bonding of outer skin
- Traditional and timber frame compatibility
- Available in all dimensions
- Establishes integral Platt Band & Dentil cavity separation
- Structural integrity of outer skin maintained
- No external leaf witness line damp banding



The Type CD offers ready-shaped protection it is not possible to match using roll material and does so with the gable wall benefiting structurally.

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 on the top of cavity insulation where it terminates partway up a cavity wall (e.g.: gable end).

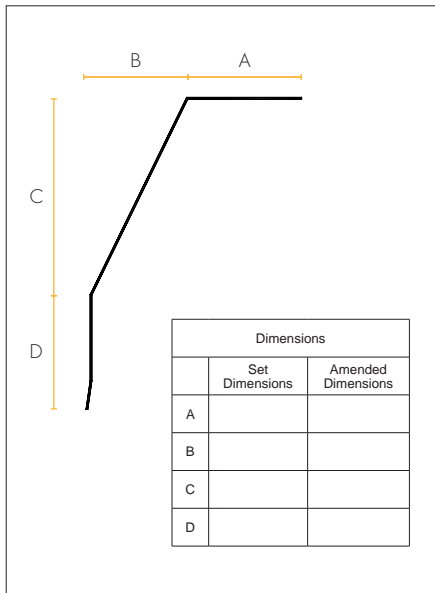
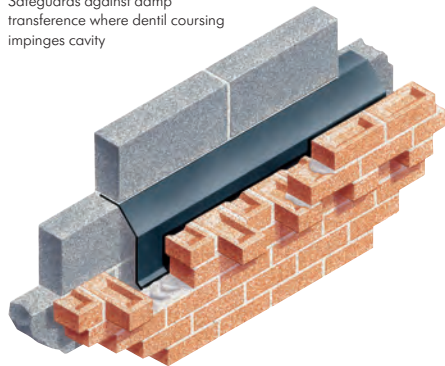
Solution

Type CD Cavity Dropcloaks are preformed DPC barriers that are built into the inner leaf only of a cavity wall. The outer leaf remains uninterrupted. When used across a gable wall in which cavity insulation terminates at plate level, protection of the cavity insulation is provided without the triangle of masonry rising above it (plate to ridge) being isolated and separated structurally from that below it. Continuity of bonding eliminates the weakness created with the conventional approach that sits the entire high-level gable end on what is effectively the equivalent of a slip plane.

The Type CD may also be used to protect where the masonry impinges, horizontally steps or projects into the cavity. Where conventional cavity barriers or stops are deployed, Type CD Dropcloaks can provide protection as identified within Robust Details Part E, but without weakening the outer leaf.

Dropcloaks are available for use in timber frame and traditional construction. A bespoke service operates for non-standard dimensions/requirements.

Safeguards against damp transference where dentil coursing impinges cavity



Leeward suction can cause failure across the gable at its weakest point – where the outer leaf is sitting on a conventional DPC

How to Order

State profile dimensions. Allow 150mm for each length to lap and state total number of 2440mm lengths required.

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.

Bill of Quantity / Specification Wording

F30 -Clause 330 Damp Proof Course.

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

Type CD Cavity Dropcloak to build into inner skin and protect cavity insulation top or when cavity is impinged. Build in observing manufacturers' instructions to ensure watertight installation. Metres run _____.