

# Sash Frame Insulated DPC



- Provides vertical DPC separation
- Reduces heat loss potential
- New and existing structures applications
- Bespoke service

## REQUIREMENT

Establishes DPC separation between masonry and frame. Introduces thermal break to aid reduction in heat loss from the structure.

## SOLUTION

Sash Frame Insulated DPC's provide two functions. They introduce DPC integrity along the line of the masonry check and cavity, guarding against wet transference into the sash box. They also reduce the potential heat loss opportunities, utilising an insulating layer (of a thickness dictated by the available space) bonded to the DPC surface(s).

Sash Frame Insulated DPC's are available to order for traditional counterweight frames and balanced spring frames. In refurbishment applications where a balanced spring frame is replacing a conventional counterweight frame, the opportunity also exists to fully insulate the resultant void. Modified versions are available for use with solid walls where enveloping the frame is desired to improve isolation against permeating dampness.

## DETERMINING REQUIREMENTS

Provide wall section and plan. Profile can be determined and a proposal/cost offered for consideration.

## SPECIFICATION WORDING

Sash Frame Insulated DPC by Cavity Trays of Yeovil Somerset BA22 8HU (01935 474769). Profile as agreed detail. Incorporate at all vertical opening reveals where sash frames are being installed. See schedule of openings. Request liability/conformity document upon completion.

### PRODUCT NAME - GROUP

Sash Frame Insulated DPC

### CAVITY WIDTHS ACCOMMODATED

From 50mm up to 200mm

### DIMENSIONS

Standard 2400mm lengths

Profile variable / bespoke

### BESPOKE OPTIONS

All

### TRADITIONAL CONSTRUCTION COMPATIBLE

Yes

### TIMBER FRAME CONSTRUCTION COMPATIBLE

Yes

### NEW WORK APPLICATIONS

Yes

### RETROFIT APPLICATIONS

In some instances

### MASONRY SKIN STYLES

Flat surfaced

### UNDULATING MASONRY FACES

No

### CURVED WALL ON PLAN APPLICATIONS

No

### CONGRUENT WITH OTHER WALL ELEMENTS

No identified incompatibility

### ARRESTED WATER EVACUATION

N/A

### THERMAL TRANSMISSION OF MATERIAL

Negligible

### MATERIAL

Polypropylene DPC

Polystyrene + options

### COLOUR

Black

### EXTRUDES / COMPRESSES UNDER LOAD

No

### PACK SIZE / WEIGHT

Varies pending design

### CFC

CFC Free

### ODP

Zero

### REGULATION COMPLIANCE

No adverse affect

### MAY BE USED IF CAVITY INSULATION PRESENT?

Functionality not affected

### CAD DOWNLOADS

Yes

### PROFILE CONSIDERATIONS

Continuity core option pending build detail

## DESIGNERS' COMMENTS

Two changes occur when a typical brick external skin becomes rain saturated. (1) The conductivity of the brick effectively doubles, so the calculated heat loss potential increases compared with conventional calculations. (2) The masonry supports water transference aided by wind pressure and the effects of the pressure differential in and out of the cavity wall. Sash Frame Insulated DPC's act as vertical barriers against these mediums.