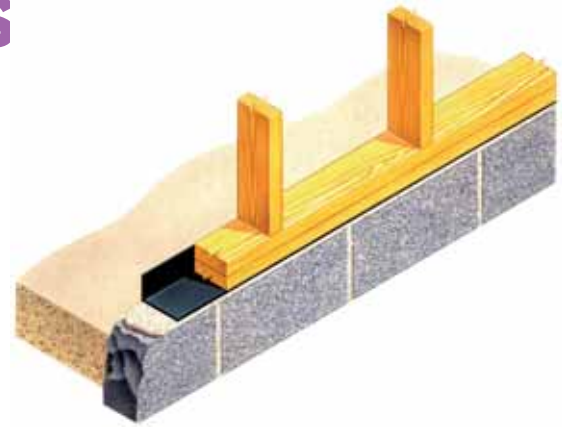


# Type DPC Profiles

## SIPS Panel DPC + Timber Frame DPC



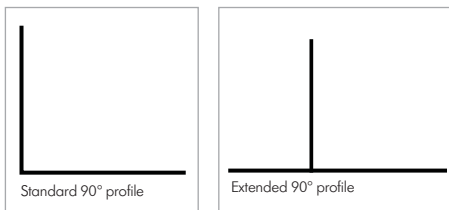
- Satisfies NHBC / Robust Details requirement
- Will not extrude or seep under load
- Close fits timber – no sagging or damage
- Consistent quality of build

### USE

To provide a consistently shaped and functional damp-proof presence under timber frame construction sole plates and SIPS panels.

### SOLUTION

Type DPC Profiles are accurately dimensioned semi-rigid shaped DPCs. They may be laid and lapped under the sole plate or prefixed to plates/panels prior to placement.



DPC Profiles are L-shaped to protect the plate horizontally and vertically against its inner face as depicted in NHBC Standards 6.2.

Where additional horizontal interfacing with the oversite membrane is required, the DPC Profiles are supplied with an additional leg extending inwardly.

The profiles will not extrude under load and functionality is unaffected by normal packing / point loading. Additional protective rise can be specified where a double sole plate is used. DPC Profiles are available in long lengths with preformed angles to suit.

### HOW TO ORDER

State number of standard lengths and angles required.

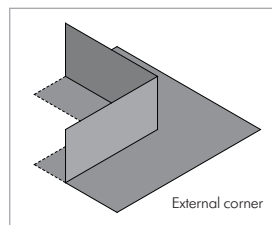
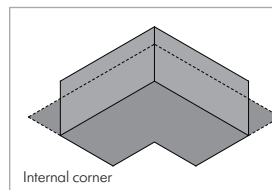
Bespoke – provide drawing / dimensions and we will immediately advise.

### SPECIFICATION WORDING

Type DPC Profiles by Cavity Trays of Yeovil Somerset BA22 8HU (01935 474769).

Profile size (state) to protect all sole plates.

Request liability/conformity document upon completion.



#### PRODUCT NAME - GROUP

DPC Profiles

#### CAVITY WIDTHS ACCOMMODATED

N/A does not affect functionality

#### DIMENSIONS - L PROFILE

2440 x 108mm x 108mm rise

2440 x 108mm x 150mm rise

#### DIMENSIONS – EXTENDED PROFILE

2440 x 220mm x 108mm rise

2440 x 220mm x 150mm rise

#### ANGLES

300mm x 300mm in matching profile

#### BESPOKE OPTIONS

Yes - profiles and angles

#### NEW WORK APPLICATIONS

Yes

#### RETROFIT APPLICATIONS

N/A

#### CURVED WALL ON PLAN APPLICATIONS

Yes – see Curved Wall entries

#### JOINTING METHOD

Lap 150mm & seal strip

#### CONGRUENT WITH OTHER WALL ELEMENTS

No identified incompatibility

#### ARRESTED WATER EVACUATION

Via Caviweeps in perp joints

#### THERMAL TRANSMISSION OF MATERIAL

Negligible

#### MATERIAL

Petheleyne DPC

#### COLOUR

Black

#### EXTRUDES / COMPRESSES UNDER LOAD

No

#### PACK SIZE / WEIGHT – LENGTHS

Packs of 10 lengths

#### PACK SIZE – ANGLES

Available individually

#### CFC

CFC Free

#### ODP

Zero

#### REGULATION COMPLIANCE

Yes

#### MAY BE USED IF CAVITY INSULATION PRESENT?

Insulation should not affect functionality

#### CAD DOWNLOADS

No

#### DESIGN CONSIDERATIONS

Aids Robust Detail showing DPC behind sole plate

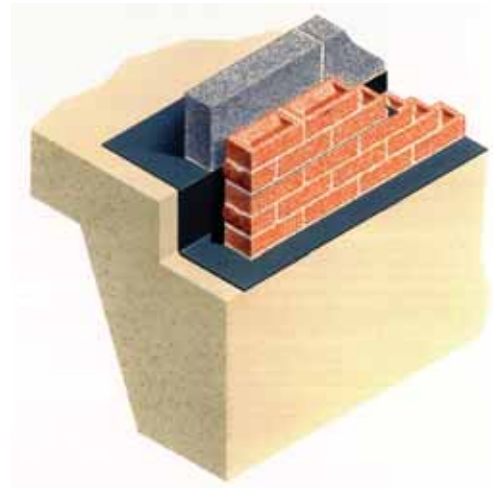
### DESIGNERS' COMMENTS

Robust Details calls for the DPC behind a sole plate to turn up and lap with the vapour control layer. DPC Profiles can be used to achieve this relationship (manual references 6.11 to 6.15 inclusive). When constructing on radon-emitting ground, the opportunity exists to utilise a one-piece DPC Profile that can provide uninterrupted protection to the building exterior face. Pending the structural arrangement, there can be an accompanying requirement to arrest and evacuate water and we will be pleased to advise upon request.



# Type DPC Profiles

## Raft Construction / Ground Beam



- One-piece DPC wall protection
- Matches raft edge dimensions
- Integrates with oversite membrane
- Establishes gas protection provision

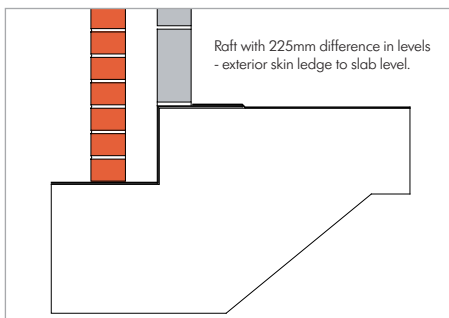
### USE

To provide perimeter DPC when constructing using raft foundations or where the cavity does not continue below DPC level.

### SOLUTION

DPC Profiles for raft foundation construction are manufactured from accurately dimensioned semi-rigid shaped Petheleyne. They are bedded and lapped on the foundation prior to the commencement of masonry being laid.

Unlike roll material, the DPC Profile cannot sag or distort and fulfils the requirements of NHBC 4.5 D12 –D13. The cranked DPC Profile is manufactured in a range of heights corresponding with masonry course heights. Because there is no continuation of cavity by virtue of the concrete raft, water is drained out of the structure using Caviweeps appropriately positioned in perp joints around the structure at DPC level.



The inboard section of the DPC extends 150mm minimum beyond the inside face of the internal skin to facilitate positive lapping and integration with any oversite membrane (recommended).

Raft cavity walls should drain below DPC and prevent water flooding cavities above DPC levels or crossing from the outside to the inside. A clear cavity descending 225mm below the inner skin/raft DPC level is required.

Where foundations other than strip or trench fill are used, including those for timber framed dwellings, this may be reduced to 150mm minimum below DPC, provided that weep holes and other measures where necessary, are taken to ensure that the cavity can drain.

### HOW TO ORDER

State number of standard lengths and angles required.

Bespoke – provide drawing / dimensions and we will immediately advise.

### SPECIFICATION WORDING

DPC Profile to suit raft construction by Cavity Trays of Yeovil Somerset BA22 8HU (01935 474769).

Bed on raft construction to provide DPC in both masonry skins. Request liability/conformity document upon completion.

#### PRODUCT NAME - GROUP

DPC Profile for Raft Construction

#### CAVITY WIDTHS ACCOMMODATED

N/A does not affect functionality

#### DIMENSIONS - PROFILE

2440 x 150/200 x 150 rise x 260mm

2440 x 150/200 x 225 rise x 260mm

#### ANGLES

400mm x 400mm in matching profile

#### BESPOKE OPTIONS

Yes - profiles and angles

#### NEW WORK APPLICATIONS

Yes

#### RETROFIT APPLICATIONS

N/A

#### CURVED WALL ON PLAN APPLICATIONS

Yes

#### JOINTING METHOD

Lap / seal

#### CONGRUENT WITH OTHER WALL ELEMENTS

No identified incompatibility

#### ARRESTED WATER EVACUATION

Via Caviweeps in perp joints

#### THERMAL TRANSMISSION OF MATERIAL

N/A

#### MATERIAL

Petheleyne DPC

#### COLOUR

Black

#### EXTRUDES / COMPRESSES UNDER LOAD

No

#### PACK SIZE - LENGTHS AND ANGLES

Supplied individually

#### CFC

CFC Free

#### ODP

Zero

#### REGULATION COMPLIANCE

Yes

#### MAY BE USED IF CAVITY INSULATION PRESENT?

Insulation should not affect functionality

#### CAD DOWNLOADS

No

#### DESIGN CONSIDERATIONS

Transforms kissing point between elements into positive joint

### DESIGNERS' COMMENTS

We recommend the profile is always extended inwardly rather than it terminate flush with the inside skin face. This permits a positive union to be made with any oversite membrane merging at the same level. When building off ground designated contaminated or emitting radon gas, it also maximises protection potential as any membrane can lap (and be sealed if appropriate) before being returned up the face of the inside skin. Any subsequent raft insulation and perimeter insulation introduced (see insulation barriers) need not affect functionality.

