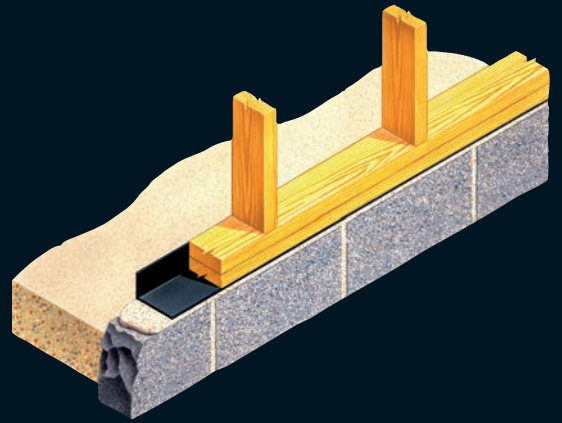


Timber Frame and SIPS Preformed DPC Profiles



USE

To provide increased DPC protection of details encountered in timber frame construction.

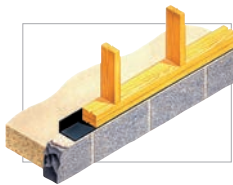
SOLUTION

Using preformed profiles can permit build details to be more thoroughly protected compared with using roll materials. Protection can often extend three dimensionally, eliminating the requirement to bring together individual statutory requirements on site. Rather than DPC protection being applied to just one face, the preformed approach extends it further, guarding against dampness through DPC misplacement or unintentional bridging. Some one-piece profiles additionally address contaminated land gas arrestment, and extend inwardly to the oversite membrane to provide unpunctuated linked integration

DPC STANDARD SOLE PLATE L SHAPED AND T SHAPED PROTECTION

USE

To provide consistently shaped DPC under timber frame construction sole plates and SIPS panels.



SOLUTION

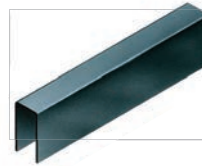
L-shape protects plate horizontally and vertically against its inner face, as depicted in NHBC Standards 6.2. Also as shown in Robust Details (6.11 to 6.15). Optional T-shape provides extended inboard projection for horizontal integration with oversite membrane protection.

STANDARD DIMENSIONS	12400 x 108 x 108mm & 2400 x 108 x 150mm
PACK SIZE	10 number
WEIGHT	5kg
BESPOKE OPTIONS	Yes

DPC PROFILED CAP INTERNAL TIMBER FLOOR

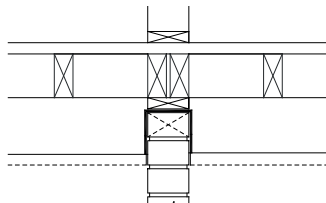
USE

To provide DPC between sole plate and internal load bearing support wall, with adjacent slab floor



SOLUTION

Preformed DPC profile caps the top of the load bearing wall and extends downwardly on both faces.



Dampness in the masonry is isolated from the bearing timber. Profile locates positively eliminating misplacement possible with roll material.

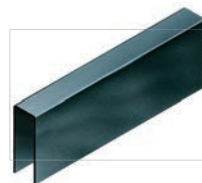
Application: TRADA Timber Frame Construction (5th) page 50 – 3.11, 3.12.

STANDARD DIMENSIONS	110 x 110 x 2400 lengths
PACK SIZE	10 number
WEIGHT	9.5kg
BESPOKE OPTIONS	Yes

DPC PROFILED CAP INTERNAL SLAB DETAIL FLOOR

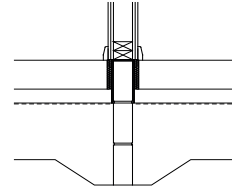
USE

To provide DPC between sole plate and internal load bearing support wall



SOLUTION

Preformed DPC profile caps the top of the load bearing wall and extends downwardly on both faces. Dampness in the masonry is isolated from the



bearing timber. Profile locates positively eliminating misplacement possible with roll material and provides positive vertical lapping with DPM held within the side projections.

Application: TRADA Timber Frame Construction (5th) page 44 – 3.2.

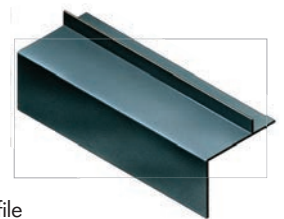
DPC PROFILED THRESHOLD

STANDARD DIMENSIONS	110 x 110 x 2400 lengths
PACK SIZE	10 number
WEIGHT	9.5kg
BESPOKE OPTIONS	Yes

GROUND BEARING CONCRETE FLOOR CONSTRUCTION / TIMBER DOOR SILL

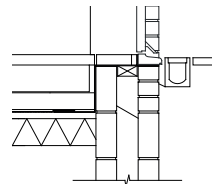
USE

To maintain DPC integrity from sill to oversite DPM



SOLUTION

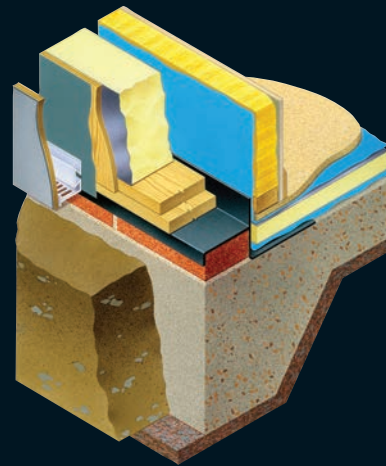
Preformed DPC profile commences under sill and provides upward water check at back of sill. One piece profile provides positive watertight sill-back upstand not possible with roll DPC. Profile extends inwardly and drops downwardly to integrate with oversite DPM that is safely lapped under the descending section.



Application: TRADA Timber Frame Construction (5th) page 38 – 2.8.

STANDARD DIMENSIONS	Bespoke to order
PACK SIZE	Available individual
WEIGHT	15kg

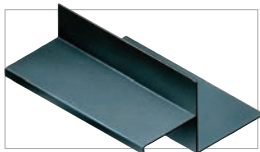
Timber Frame and SIPS Preformed DPC Profiles (continued)



DPC PROFILED SOLE PLATE RENDER/TIMBER CLADDING

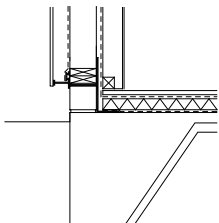
USE

To provide DPC under sole plate and



SOLUTION

Preformed DPC profile commences behind the insulated timber skin and drops vertically and outwardly providing DPC under the sole plate. On the outside face a turn-down lip provides a defined finish against which a ventilation grid as depicted in TRADA Timber Frame Construction (5th) page 35 – 2.4 is located. For grid options consider Type SV-GP, Type SV-FL, Type RASV and Type Corbel.



STANDARD DIMENSIONS	1 Lip 20mm. 115 x 200 (125/75) x 2400 lengths
PACK SIZE	10 number
WEIGHT	15kg
BESPOKE OPTIONS	Yes



DPC profiles and fire-rated cavity stops (Type SAF & CFIS) ensure a consistent build detail with timber frame and SIPS construction.

DPC CAVITRAY STRAIGHT VENTILATOR BRIDGING PROTECTION

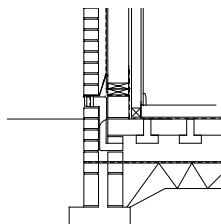
USE

To provide protection against water tracking across to the inside skin via the top surface of a ventilator. Also cranked ventilator applications.



SOLUTION

The breather membrane is perforated by a straight sleeve and this occurs against the timber frame and usually immediately under the timber sole plate. Without a protective cavitray, water can reach the perforated area. A preformed (sloping) cavitray wraps the sleeve so water is directed away from the pierced skin. Consider applications such as TRADA Timber Frame Construction (5th) pages 36, 44, 45, 49 (3.9), 50 (3.10).w



STANDARD DIMENSIONS	330 x 160 x 50mm base
PACK SIZE	Available individually
WEIGHT	0.5kg
BESPOKE OPTIONS	Yes
SEE OTHER ENTRIES	Sleeve & Duct Cavitrays

HOW TO ORDER

Provide dimensioned profile or wall section and plans so optimum profile can be determined and a schedule submitted prepared.

SPECIFICATION WORDING

Type DPC Profile by Cavity Trays of Yeovil Somerset BA22 8HU (01935 474769). Profile as agreed detail. Build in at appropriate level observing accompanying installation instructions.

BESPOKE OPTIONS

Yes

NEW WORK APPLICATIONS

Yes

RETROFIT APPLICATIONS

Some

MASONRY SKIN STYLES

No known limitation

UNDULATING MASONRY FACES

Compatible

CURVED WALL ON PLAN APPLICATIONS

Yes – see Curved Wall entries

CONGRUENT WITH OTHER WALL ELEMENTS

No identified incompatibility

ARRESTED WATER EVACUATION

Via Caviweeps (selection) in perp joints

THERMAL TRANSMISSION OF MATERIAL

Negligible

MATERIAL

Pettheleyne DPC

COLOUR

Black

EXTRUDES / COMPRESSES UNDER LOAD

No

PACK SIZE / WEIGHT

Varies pending design

CFC

CFC Free

ODP

Zero

REGULATION COMPLIANCE

Yes

MAY BE USED IF CAVITY INSULATION PRESENT?

Functionality not affected

CAD DOWNLOADS

Yes

