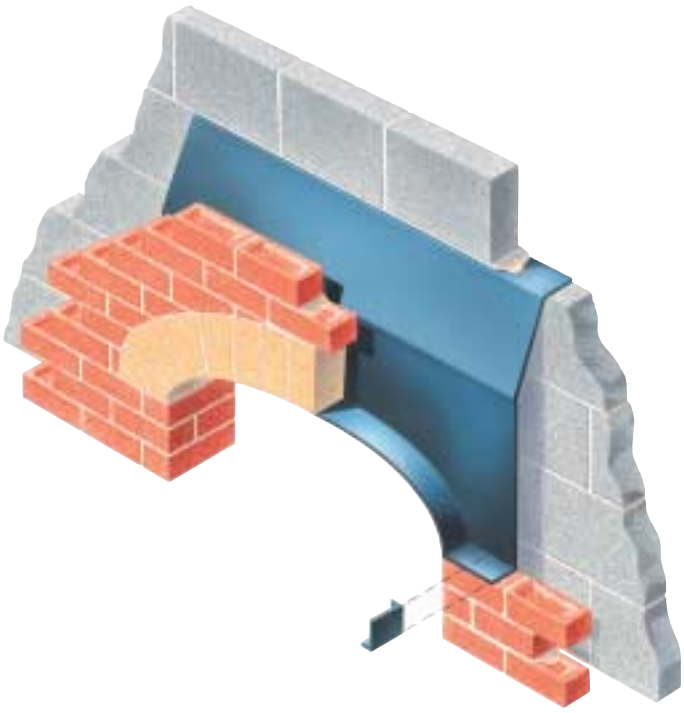


Type BA Cavity Barrier Arch

DPC only

- Available in different arch styles and design
- Provides matching DPC element to arch masonry
- Permits traditional centring use
- Traditional or timber frame construction
- Format can accommodate very wide openings

problem

How to provide a moulded DPC barrier only for arches, thus permitting traditional construction (unlike Type A and AA cavitrays which provide DPC and integral guide shuttering).

introduction

Established construction methods using traditional centring are still required on some projects, and for such purposes the Type BA barrier arch DPC is appropriate.

solution

The Type BA barrier arch is a DPC, supplied ready-shaped to suit the arch opening.
The Type BA is incorporated within the cavity wall with its base section positioned on the traditional centring.

Incorrect construction using conventional DPC. Introduced in the first available horizontal run, this arrangement is suspect because it leaves a considerable amount of brickwork between window and DPC which is unprotected.

The barrier arch DPC is normally returned into the inside skin, at the appropriate level, in the traditional manner. The Type BA does not offer the formwork function of the Type A and AA cavitrays. However, it does provide a correctly shaped DPC, with a moulded base section, whilst permitting traditional construction to proceed.
The Type BA is particularly appropriate for wide arches as, unlike Type A and AA, it can be supplied in connecting sections.
On large openings (or openings with a significant rise) we can incorporate, if considered necessary, a number of balloon stability mouldings within the upstand of the DPC. These encourage the barrier arch to adopt the correct upright position as the cavity wall skins are raised. They are not positioned at intrados level and therefore do not obstruct the cavity compartment area, which always remains clear.

sizes

Our flexible standard design can be adapted to suit most requirements and the Type BA barrier arch DPC is offered on a tailor-made basis.

Polypropylene with a starting thickness of 3mm, 2mm and 1.5mm is used as appropriate in our thermo-forming process. Maximum overall length available in one piece is 2400mm. Type BA can sometimes be supplied in sections to accommodate wider arches.
Feasibility/quotation on receipt of drawings. Stopends accompany all supplies.

material

Thermo-stable polypropylene DPC, type 6 heavy duty.

colour

Black.

installation/site work

Type BA barrier arch DPCs should be introduced at the appropriate stage in construction, following the recommendations of BS 5628. Ensure Type BA takes up correct shape within cavity and is returned into the inside skin as per instructions.

bill of quantity wording

Type BA barrier arch manufactured in heavy duty DPC

Introduce Type BA barrier arch DPCs following manufacturer's instructions within all arch openings, being constructed in the traditional manner using centring.
Specify number and size of each Type BA design required.
Request liability/conformity document upon completion.

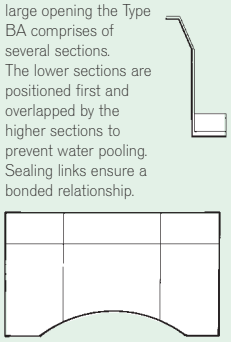
ordering/regulations

See inside back cover for details.

related products and applications

See Type A and Type AA which offer an alternative way of damp-proofing arches whilst providing integral centring.

When supplied to suit a large opening the Type BA comprises of several sections. The lower sections are positioned first and overlapped by the higher sections to prevent water pooling. Sealing links ensure a bonded relationship.



designers' comments

BS 5628-3:2001 (5.11.6) correctly identifies that, in arch construction, there are added complications of damp-proofing the junction between inner and outer skin.
A conventional DPC cannot readily be sloped outwards and simultaneously curved to follow the outer skin.
The Type BA was introduced to provide the benefit of a modern shaped DPC, with the traditions of conventional arch construction.
If the Type BA is being used with timber frame construction, it is supplied with an appropriately shaped top for fixing directly to the timber inner skin. The vapour barrier is then overdressed to form a satisfactory union as per N.H.B.C. details.

technical observations

Provides correctly shaped DPC whilst permitting traditional construction. DPC element is established without doubt, at intrados level. Sectioned format can permit wider openings to be accommodated.
If considered necessary, balloon stability mouldings aid installation. Branded with name and logo as proof of type and accompanying warranty.