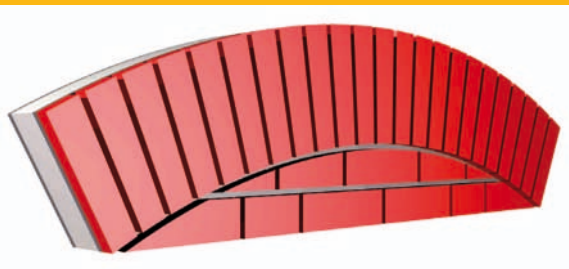
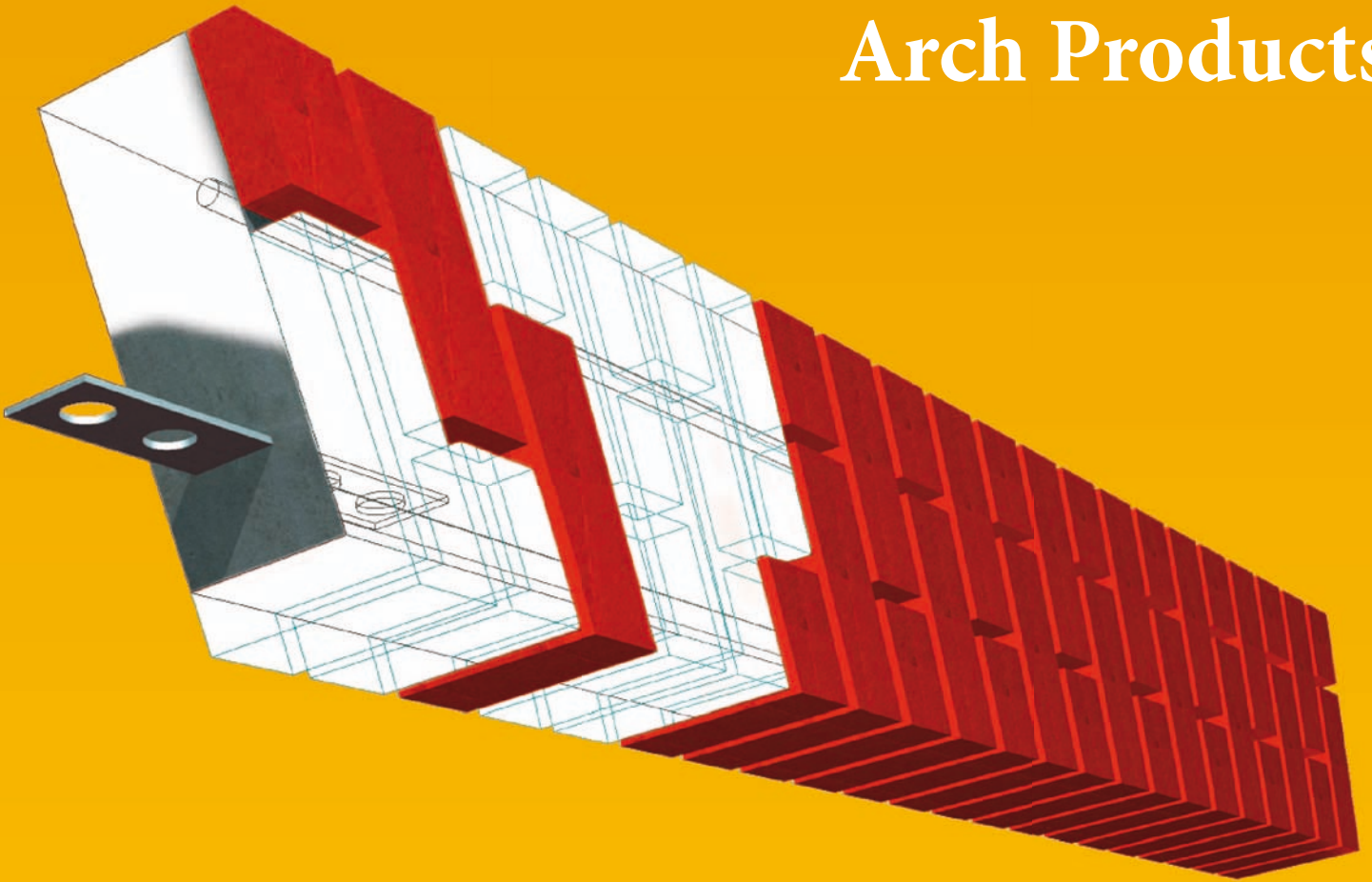


BRICK FABRICATION LIMITED

Prefabricated Building Solutions

Prefabricated Arch Products



Prefabricated Arch Range

Introduction

Brick Fabrication Ltd is a leading manufacturer of prefabricated Brick Arches for the UK house building and construction industries.

Brick Arches have been used since the dawn of construction, many examples of arches from the Roman period remain looking as good today as when they were first built. Brick arches are a quick and easy way to enhance the appearance of any buildings. All Brick Arches made by Brick fabrication Ltd are manufactured off site to ensure factory made Quality Standards. Arch types are available either load bearing with an integral load bearing element or non-load bearing that require a supporting lintel.

Brick Fabrication Ltd offer both a standard range, with short lead times and a completely bespoke service with our in-house CAD service available to clients.

Our brick arch systems use bricks and brick slips precision cut on the most up to date CNC machines to ensure every arch will look good in situ.

Benefits of Brick Fabrication prefabricated arch products include:-

- Manufactured in any brick type and can be collected from site to guarantee a perfect colour match.
- Quick and easy to install.
- Our light weight arches are often a one man lift.
- Delivered in individual plot pallets, clearly labeled if required.
- Economical to use and cost saving compared to building arches on site.
- Faced on soffit brick arches available on request.
- Restoration arches available for historic building or new build in a traditional style.

Services

At Brick Fabrication we offer a full estimating and quantities investigation from site drawings and a site call off service for products as you require them. Visit our web site or contact us for AutoCAD drawings of our products to specify on your project drawings.

Bricks collected from site if required. All precast concrete arches can be supplied to site with lifting eyes where necessary on request.

To request a quote, please use the appropriate arch specification form or online at:

www.brickfabrication.co.uk

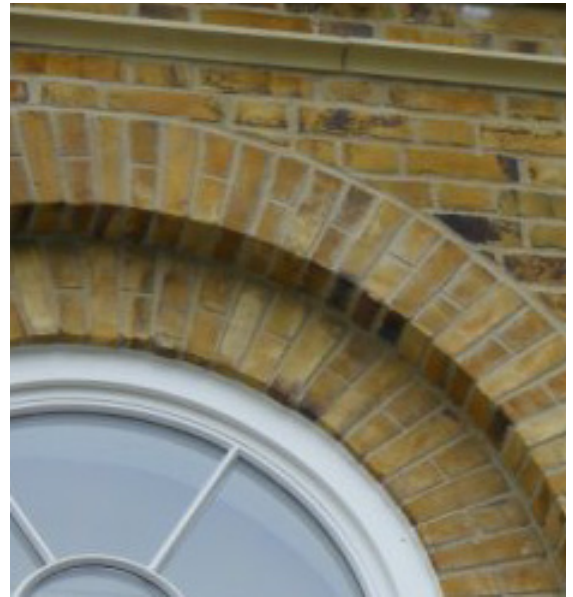


Bespoke Arches

Bespoke Arches

At Brick Fabrication we provide a full design service using the latest CAD technology to communicate design solutions to suit your requirements. Bespoke arches can be designed using various materials such as stone, brick and tiles on various structural or non-structural backing with optional pre-pointed mortar joints.

If you require an arch design different from the listed standard products, we will be happy to design and prefabricate the arch to your specifications with detailed production drawings for your approval.



Block Lintels

Brick Fabrication is pleased to offer an innovative option to those construction companies using paint grade/fair faced blockwork in commercial developments for creating a clear opening in blockwork.

A quick, simple and easy to install block lintel giving a pleasing clean appearance in blockwork for contracts that call for an untreated block finish, such as schools, hospitals, prison, stadia etc.

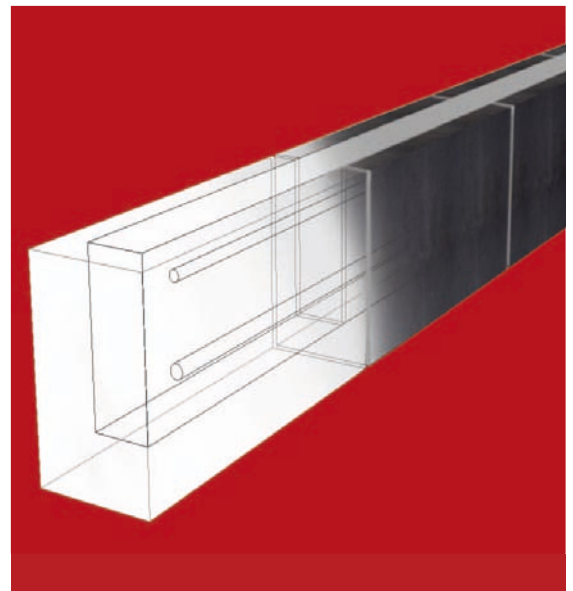
The block lintel is a self supporting lintel made from concrete blocks with a groove cut along the length of the block which is filled with high strength concrete and appropriate re-bar. The appearance is of continuous blockwork from both sides, which matches the surrounding blockwork.

Brick Fabrication has developed the technique for cutting blocks to create block lintels and a method statement for the practical manufacture of block lintels for a variety of openings.

Full technical specification is available on request.

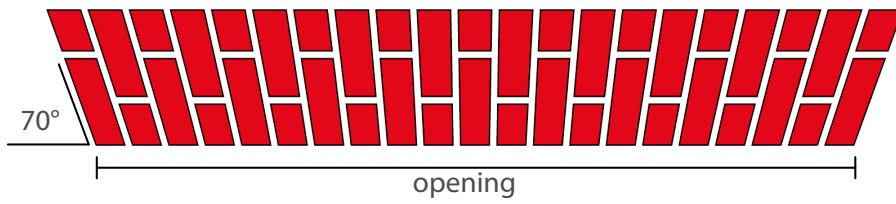
Benefits of Brick Fabrication Block Lintels include:

- Quick and easy to install.
- Lifting eyes incorporated on request.
- No further lintel required.
- Fits with standard block coursing.
- Good visual appearance from both sides.



3

Standard Arch Range (Specification Required)



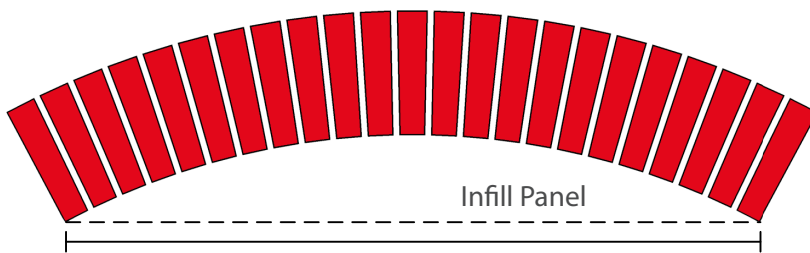
Flat Gauge Arch (FG)



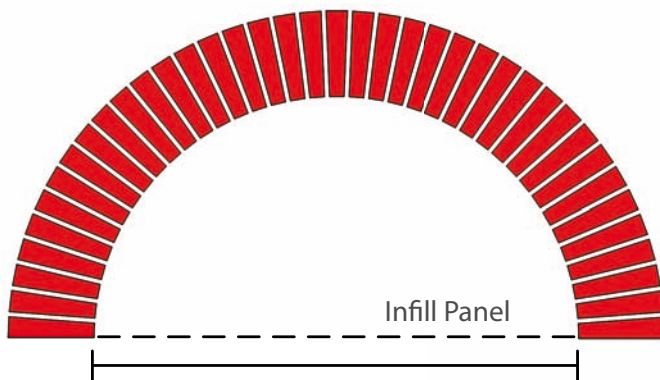
Semi Raised Flat Gauge Arch (FGR)



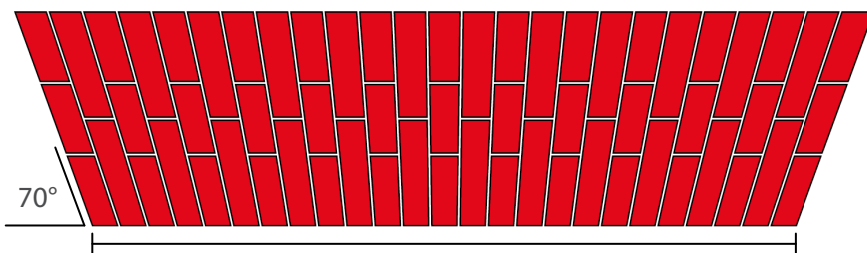
Developer Arch (DV)



Segmental Arch (SA)



Semi Circular Arch (SC)



Restoration Arch (RA)

Restoration arches comes with 3mm pointed joints in brick and bat pattern only.

4

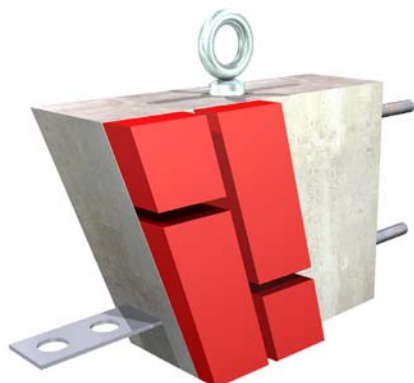
Standard Arch Range

Options and Availability

Options	Flat Gauge Arch (FG)	Semi-Raised Flat Gauge (FGR)	Developer Arch (DV)	Segmental Arch (SA)	Semi Circular Arch (SC)	Restoration Arch (RA)
* ¹ Requires an infill panel * ² Not available with infill panel * ³ Available for reinforced concrete and steel products only						
Structural Backing (Page 6)						
Steel Reinforced Panelite	✓	* ¹	✓	* ¹	✗	✓
Steel Reinforced Concrete	✓	✓	✓	✓	✓	✓
Structural Steel	✓	✓	✓	✓	✓	✓
Non-Structural Backing (Page 7)						
Panelite	✓	✓	✓	✓	✓	✓
Blocklite	✓	✓	✓	✗	✗	✗
Loose Cut	✓	✓	✓	✓	✓	✗
Height & Pattern (Page 8)						
Brick & Bat 215 High	✓	✓	✓	✓	✓	✓
Brick & Bat 290 High	✓	✓	✓	✓	✓	✓
Brick & Bat 365 High	✓	✓	✓	✓	✓	✓
Soldier 215 High	✗	✗	✗	✓	✓	✗
Single Header 102 High	✗	✗	✗	✓	✓	✗
Double Header 215 High	✗	✗	✗	✓	✓	✗
Soldier Header 290 High	✗	✗	✗	✓	✓	✗
Soffit Options (Page 9)						
Non-Faced Soffit	✓	✓	✓	✓	✓	✓
Faced Soffit	✓	* ²	✓	* ²	* ²	✓
Infill Panels (Page 9)						
Plastic	✗	✓	✗	✓	✓	✗
Brick	✗	✓	✗	✓	✓	✗
Painted	✗	✓	✗	✓	✓	✗
Render Prepared	✗	✓	✗	✓	✓	✗
Lifting Options						
Lifting Eyes	* ³	* ³	* ³	* ³	* ³	* ³

Structural Backing (Specification Required)

Steel Reinforced Concrete (SRC)

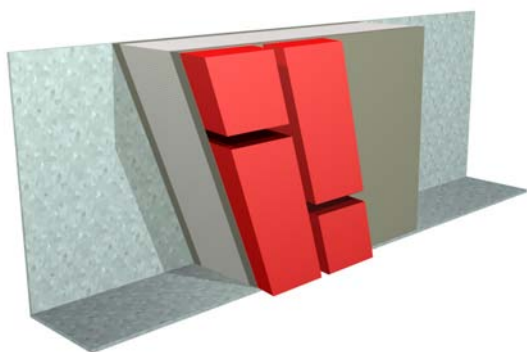


C40 (40N/mm² compressive strength) concrete is reinforced with steel re-bar as necessary providing a structural backing for most arch types. Stainless steel locating brackets are included at the ends of flat gauge arches to aid installation. Removable lifting eyes can be cast into these lintels if required.

Steel Reinforced Concrete backing is available for all arch types and can be made to any size and shape.

Options:
Lifting Eyes
Faced or Non-Faced Soffit

Steel Reinforced Panelite (SRP)

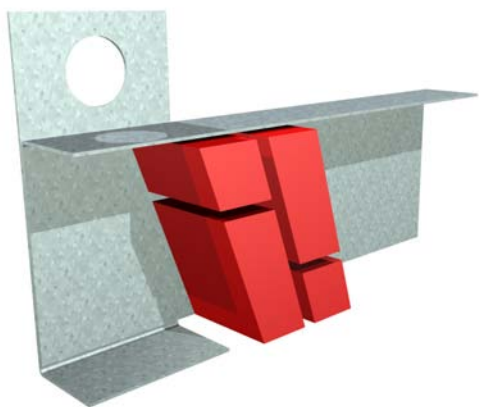


Panelite board is reinforced with 3mm galvanised sheet steel. This option provides a lighter alternative to concrete lintels. The steel ends of the arch also make installation quick and easy.

Steel Reinforced Panelite is only available for flat bottomed arches. Segmental and semi-circular arches can use reinforced Panelite only when used with an infill panel.

Options:
Faced or Non-Faced Soffit

Structural Steel (SRS)



Structural steel lintels are prefabricated to your specifications and are available in many shapes and forms. Available in galvanised steel as standard or a stainless steel option. The steel lintel comes with end supports and lifting points to provide easy installation. Full bricks are used which provides a faced soffit.

Structural steel lintels are available for all arch types, sizes and shapes.

Options:
Stainless Steel Lintel

Non-Structural Backing (Specification Required)

Panelite (PL)



Panelite is a lightweight panel system comprising of a 60mm polyurethane foam core between two 10mm magnesium particle boards. Panelite provides a lightweight solution for quick installation without the need for lifting equipment.

Panelite is available for all types of arches.

Options:
Faced or Non-Faced Soffit

Blocklite (BL)



Blocklite backing is made from lightweight blocks bonded linearly with scrim reinforcing the joints. This method provides a lightweight solution for quick installation without the need for lifting equipment.

Blocklite is only available for flat arches.

Loose-Cut (LC)



Arch bricks can be supplied without being prefabricated to any backing for a traditional built arch. Factory controlled cutting provides the builder with perfectly cut bricks to ensure a quality built arch.

Loose cut bricks are available for all arch types.

Arch Styles (Specification Required)

Brick and Bat Pattern (___ BB)

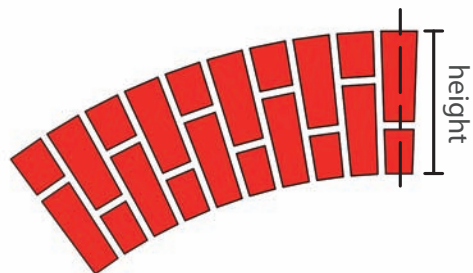


Brick and Bat pattern standard heights are:

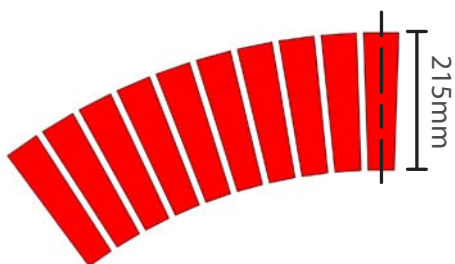
- 215mm (3 courses)
- 290mm (4 courses)
- 365mm (5 courses)

These are supplied with 10mm joints as standard, ready to be pointed on site to ensure a perfect mortar match.

Other heights and joint widths can be made on request.



Soldier Pattern (215S)

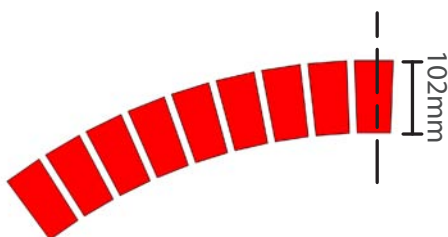


The Soldier arch is made up of full length bricks. It is therefore only available at 215mm high.

These are supplied with 10mm joints as standard, ready to be pointed on site to ensure a perfect mortar match.

8

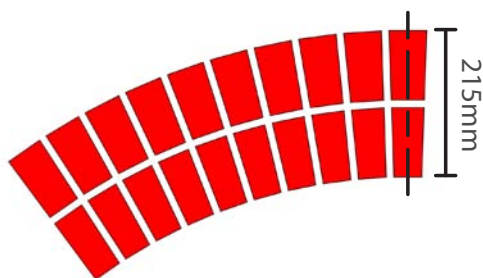
Single Header Pattern (102H)



The Single Header arch is made up of half bricks. It is therefore only available at 102mm high.

These are supplied with 10mm joints as standard, ready to be pointed on site to ensure a perfect mortar match.

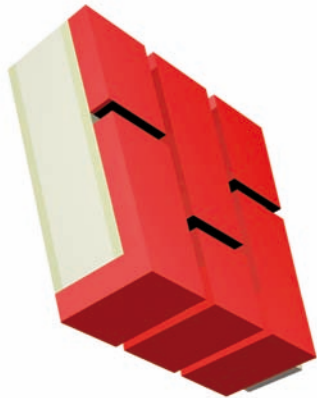
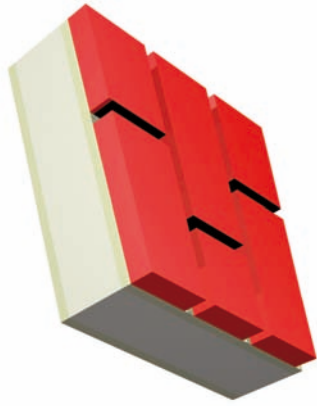
Double Header Pattern (215DH)



The Double Header arch is made up of two half bricks to create a full height brick pattern. It is therefore only available at 215mm high.

These are supplied with 10mm joints as standard, ready to be pointed on site to ensure a perfect mortar match.

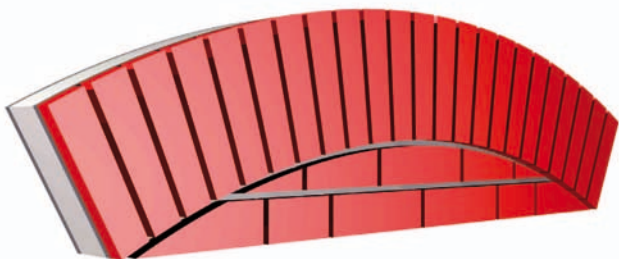
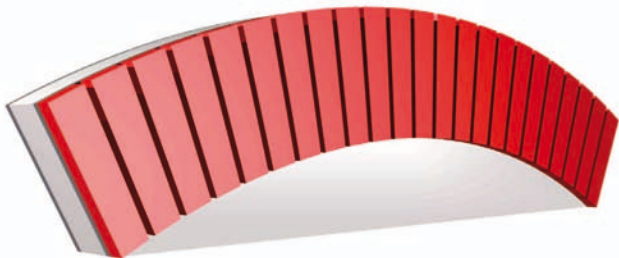
Arch Styles (Optional Specification)



Soffit Options

The underside of the arch (the soffit) can be supplied with or without facing brick.

To specify a faced soffit please use code (FS).

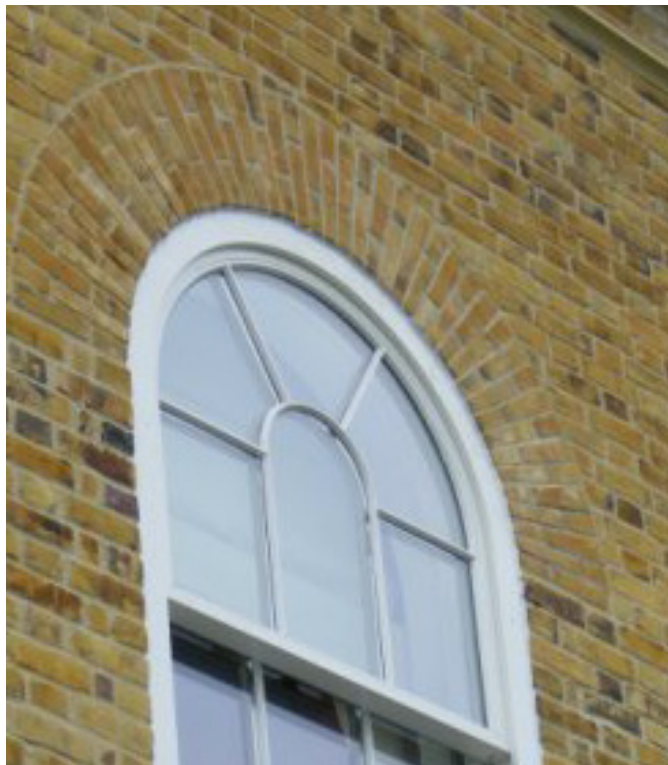


Infill Options

Infill panel options are available for raised arches that require the space between the window or door frame to be filled.

- PVC plastic (recommended for PVC window and door frames). White PVC standard colour. Please specify the colour required if different.
- Painted infill (to your colour requirements).
- Prepared for Render (using thermalite block slips and beading, delivered ready for rendering on site).
- Brick infill (brick slips are bonded to the backing panel. This can be carried out in the same or alternative brick as the arch feature. Please specify as required).

Gallery



Various prefabricated arches including:

- Bespoke Semi-Circular Arch design with double header and soldier brick pattern, recessed and faced soffit (middle left).
- Restoration Arches with 3mm pointed joints (above).
- Semi-Circular Arch, 290 high brick and bat pattern (bottom left).

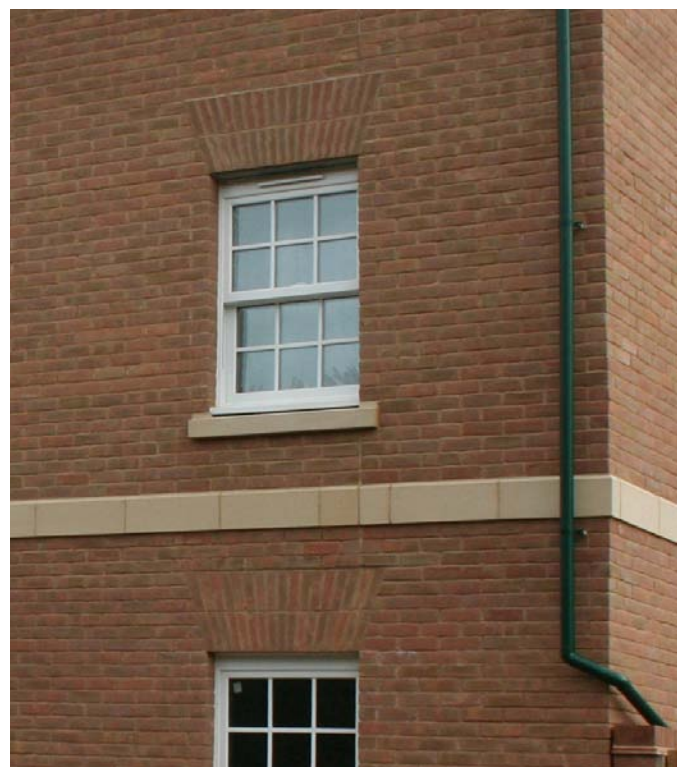
10

Gallery



Various prefabricated arches including:

- Restoration Arch with 3mm pointed joints (above).
- Semi-Circular Arch with soldier and header brick pattern and bespoke brick keystone (top right).
- Double Soldier Flat Gauge Arches (right and bottom right).
- Gothic Arch with brick and bat and header pattern (below).



BRICK FABRICATION LIMITED

Prefabricated Building Solutions

Gemini Works
Estate Road
Pontypool
NP4 6YW

Mulleys Farm
Little Bromley
Essex
CO11 2PL

Tel: 01495 75 95 55
Fax: 01495 75 98 74

Tel: 01206 39 35 35
Fax 05600 49 31 16

www.brickfabrication.co.uk

Brick Fabrication Limited are committed to continuous product development and reserve the right to alter specifications without prior notification. No part of this publication may be reproduced or transmitted by any means without prior written permission from Brick Fabrication Limited.

All rights reserved. Copyright Brick Fabrication Limited 2009.



*Prefabricated Arch Products
Issue 1 - October 2009*