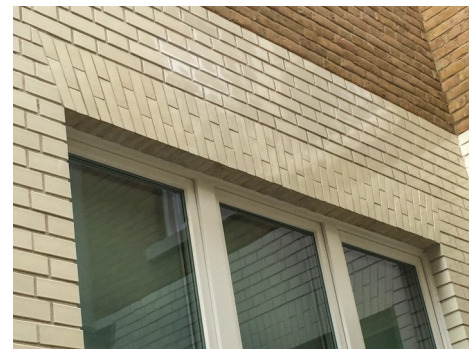




# Real Brick Pre-Fabricated Arches

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 building.

All brick arches 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 support lintel making our arches easy to install.

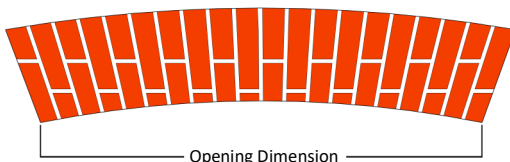


## ARCH RANGE



**Flat Gauged Arch**

A typical flat arch suitable for all kinds of openings. Flat Gauge Arches usually have a Brick & Bat pattern and between 3 to 5 courses high.



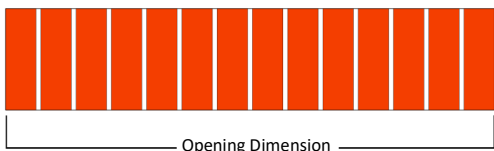
**Segmental Arch**

Segmental Arches are made up of a number of identically and slightly angled bricks which form the shape of the arch when assembled.



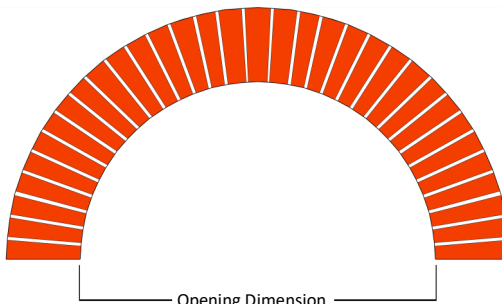
**Raised Flat Gauge Arch**

Like the Flat Gauge Arch, but with an arched rise along the bottom edge, whilst the top of the arch remains flat. These arches also have the option for the rise to be solid with an infill panel.



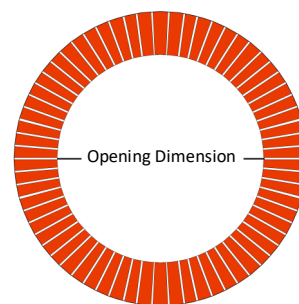
**Soldier Lintel**

The Soldier Lintel is a simple but effective design and is built with bricks laid on end with stretcher faces showing, as illustrated above.



**Semi Circular Arch**

Like Segmental Arches each brick is the same, but the shape is continued round to form a semi-circle. These provide the option for a large infill area.



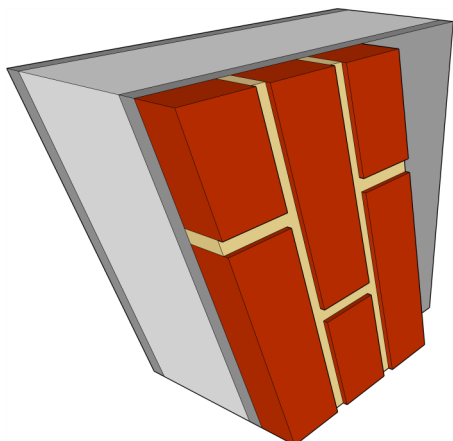
**Bulls Eye Arch**

Also known as a Circular Arch, the Bulls Eye is an attractive feature and still very popular. Varieties of bond pattern and keystone height or depth are all possible.

## BACKING OPTIONS

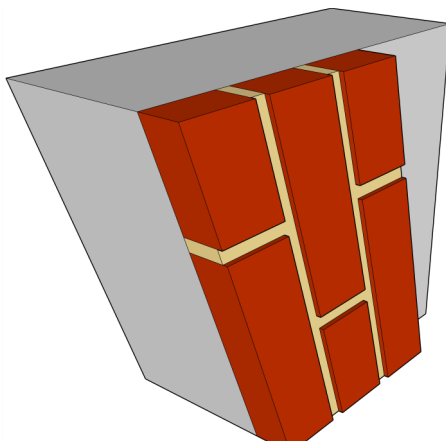
**Insulated Arch**

This is our lightweight arch system comprising of a polyurethane foam core between two 10mm magnesium particle boards with brick slips making 102mm overall. This Arch provides a lightweight solution for quick installation without the need for lifting equipment.



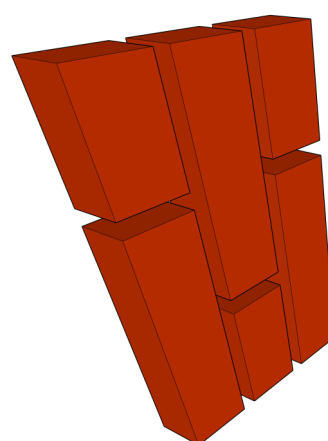
**Concrete Arch**

Our Concrete Arches provide a high strength load bearing or non load bearing option for our customers. Concrete backing is available for all arch types and can be made to any size & shape.



**Loose Cut**

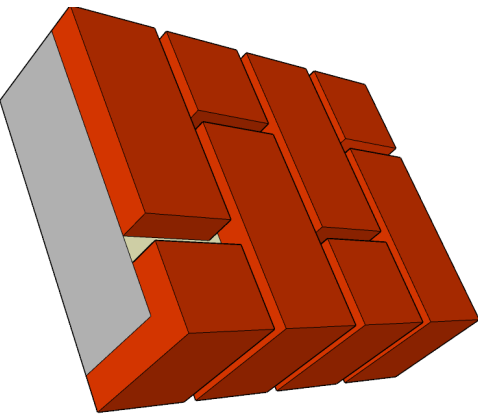
Arch Bricks can be supplied without being prefabricated to any backing for a traditional built arch. Factory controlled cutting provides the builder with perfectly cut bricks to ensure a quality built arch.



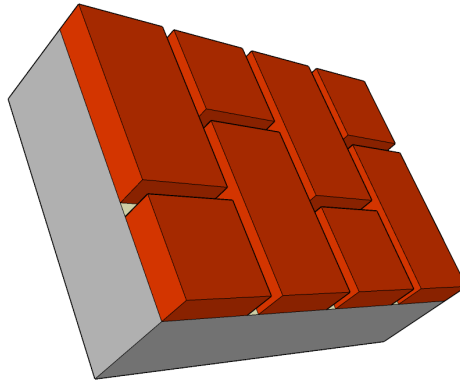
# SOFFIT OPTIONS

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

Diagram A (faced) is used in situations where the window is recessed and the underside of the arch is revealed, this can only be produced as a concrete arch. The non-faced soffit (Diagram 2) is a quick and easy solution for finishing.



Faced (Diagram 1)



Non-Faced (Diagram 2)



## ARCH STYLES

### Brick and Bat Pattern

215mm, 290mm, 365mm High

Brick and Bat pattern standard heights are:

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

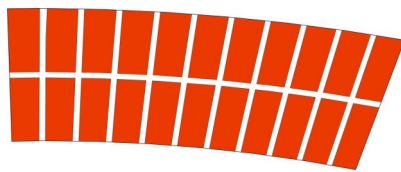


These are supplied with a 10mm joint as standard, ready to be pointed on site to ensure a perfect mortar match. Other heights and joint widths can be made on request.

### Double Header Pattern

215mm High

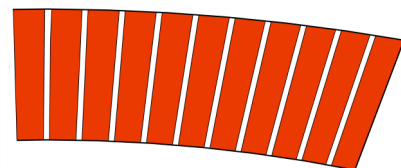
The Double Header arch is made up of two half bricks to create a full height brick pattern. It is therefore only available at 215mm high. These are supplied with 10mm joints as standard, ready to be pointed on site to ensure a perfect mortar match.



### Soldier Pattern

215mm High

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.

### Single Header Pattern

102mm High

The Single Header Arch is made up of half bricks. It is therefore only available 102mm high. These are supplied with 10mm joints as standard, ready to be pointed on site to ensure a perfect mortar match.



### PRE-FABRICATED ARCHES HAVE MANY ADVANTAGES & BENEFITS INCLUDING:

- Brick slips are precision cut on the most up to date CNC machines to ensure every arch is perfect.
- Manufactured in any brick type and will be collected from site to guarantee a perfect colour match.
- Arches are quick and easy to install and can be supplied with lifting eyes on structural concrete backed arches.
- Economical to use and cost saving compared to building arches on site.
- Delivered on pallets clearly marked for which plot the arch is used on.
- Restoration arches available for historic buildings or new build in traditional style.
- Steel arches are available upon request.







## STEEL LINTELS

Fab-Steel produce a wide range of steel lintel solutions for the construction industry. Produced as a structural alternative to traditional concrete backed lintels "Pro Steel" is an innovative lightweight and time saving method of construction.

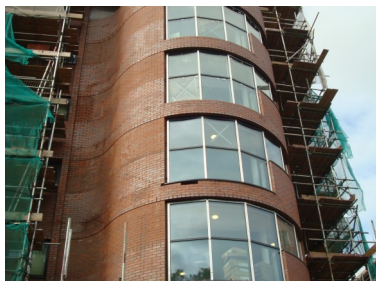
Fab-Steel supports architects and designers, pushing the possibility of steel lintel design with our bespoke service. Both the lintels and the brick slips have been independently tested by Notified and Technical approval bodies to evaluate and validate the load capacity, physical performance and long term durability of all components.

The bond strength and impact resistance of the brick slips were tested before and after the accelerated cyclic weather tests to validate the integrity and durability of the system.

Prior to your order drawings for each arch style or span, are issued for the approval of your design engineers and advisors. The project only moves to production when all the detail is agreed and confirmed.

When all factors such as cost, ease of handling, simple installation, quality of finish, longevity and aesthetic appearance are considered, these arches, either flat, segmental or semi-circular, are seen as a more attractive solution than many other options, including brick clad concrete or thin brick slip composite alternatives.

We relish the opportunity to liaise with industry professionals on building projects, regardless of size. Our experienced technicians will provide solutions for all your structural requirements.







## TECHNICAL HUB/WARRANTIES

Designing load bearing and non load bearing complex brick faced arches can be daunting but not anymore.

With access of 15 years supplying arches to housebuilders, Fab-Lite we offer full design support for every arch order, with CAD drawings provided with every project (in 2D or 3D).

Below is our Accreditation. Using our products is all about confidence, ensuring what you buy will still work years later.

Our brick arches are all bonded using British Board Agreement

(BBA) approved accreditation. Every BBA certificate contains important data on durability, installation and compliance with building regulations throughout the UK.

Therefore Fab-Lite Building Solutions Ltd will guarantee it's Brick Arches for a period of 15 years on lightweight brick arches and 30 years for concrete backed from the date of purchase against faulty materials and workmanship.

Please get in touch if you require any further assistance; we'd be happy to help.

### Urban Surface Protection

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Tel: 01772 780873 Fax: 01772 780234  
e-mail: info@urbansurfaceprotection.co.uk  
website: www.urbansurfaceprotection.com



**Agrément Certificate**  
**16/5328**  
Product Sheet 1

#### BRICK-SLIP ADHESIVE

##### BRICK-FIX 3-1

This Agrément Certificate Product Sheet<sup>(1)</sup> relates to Brick-fix 3-1, an epoxy adhesive used for bonding cut bricks and pavers and the fixing of brick slips to cast concrete structural units, stainless steel or powder-coated lintels or GRP substrates under factory conditions. It may also be used on site for the replacement of damaged brick slips.

(1) Hereinafter referred to as 'Certificate'.

#### CERTIFICATION INCLUDES:

- factors relating to compliance with Building Regulations where applicable
- factors relating to additional non-regulatory information where applicable
- independently verified technical specification
- assessment criteria and technical investigations
- design considerations
- installation guidance
- regular surveillance of production
- formal three-yearly review.

#### KEY FACTORS ASSESSED

**Strength** — the adhesive achieves a bond of acceptable strength to the substrates defined in this Certificate (see section 6).

**Resistance to frost damage** — the epoxy bond is durable and stable when subjected to freeze/thaw cycling (see section 7).

**Durability** — the adhesive is durable and capable of bonding cut bricks and pavers and fixing brick slips to the substrates listed in section 4, all of which can have a service life equivalent to similar brick masonry or pavers (see section 9).



The BBA has awarded this Certificate to the company named above for the product described herein. This product has been assessed by the BBA as being fit for its intended use provided it is installed, used and maintained as set out in this Certificate.

On behalf of the British Board of Agrément

*John Albon*

Date of First issue: 8 June 2016

John Albon — Head of Approvals  
Construction Products

*Claire Curtis-Thomas*  
Claire Curtis-Thomas  
Chief Executive

The BBA is a UKAS accredited certification body — Number 113.  
The schedule of the current scope of accreditation for product certification is available in pdf format via the UKAS link on the BBA website at www.bbaccerts.co.uk

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**Agrément Certificate**  
**15/5255**  
Product Sheet 1

#### RESISTANT BUILDING PRODUCTS MAGNESIUM OXIDE BOARDS

##### MULTI-PRO, MULTI-PRO XS AND MULTI-REND

This Agrément Certificate Product Sheet<sup>(1)</sup> relates to Multi-Pro, Multi-Pro XS and Multi-Rend, magnesium oxide boards. Multi-Pro and Multi-Pro XS are for use as internal and external wall sheathing and Multi-Rend as a render carrier board in domestic and non-domestic timber frame buildings.

(1) Hereinafter referred to as 'Certificate'.

#### CERTIFICATION INCLUDES:

- factors relating to compliance with Building Regulations where applicable
- factors relating to additional non-regulatory information where applicable
- independently verified technical specification
- assessment criteria and technical investigations
- design considerations
- installation guidance
- regular surveillance of production
- formal three-yearly review.

#### KEY FACTORS ASSESSED

**Strength and stability** — partition walls incorporating the boards will have acceptable resistance to stresses (see section 6).

**Behaviour in relation to fire** — the boards can be incorporated in a construction meeting regulatory requirements (see section 7).

**Durability** — the sheathing boards will have a life equal to that of the building in which they are installed (see section 13).



The BBA has awarded this Certificate to the company named above for the products described herein. These products have been assessed by the BBA as being fit for their intended use provided they are installed, used and maintained as set out in this Certificate.

On behalf of the British Board of Agrément

*Brian Chamberlain*  
Brian Chamberlain  
Head of Technical Excellence

*Claire Curtis-Thomas*  
Claire Curtis-Thomas  
Chief Executive

Date of First issue: 21 October 2015

The BBA is a UKAS accredited certification body — Number 113. The schedule of the current scope of accreditation for product certification is available in pdf format via the UKAS link on the BBA website at www.bbaccerts.co.uk

Readers are advised to check the validity and latest issue number of this Agrément Certificate by either referring to the BBA website or contacting the BBA direct.

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CONTACT US NOW FOR MORE INFORMATION ON ONE OF OUR PRODUCTS.

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