CONDITION 10
WINDOWS, CILLS AND HEADS

CONDITION 10
WINDOWS



RAL 9001

All windows to be UPVC flush casement type and in RAL 9001 colour whose common name is CREAM

No casements to have bars or toplights

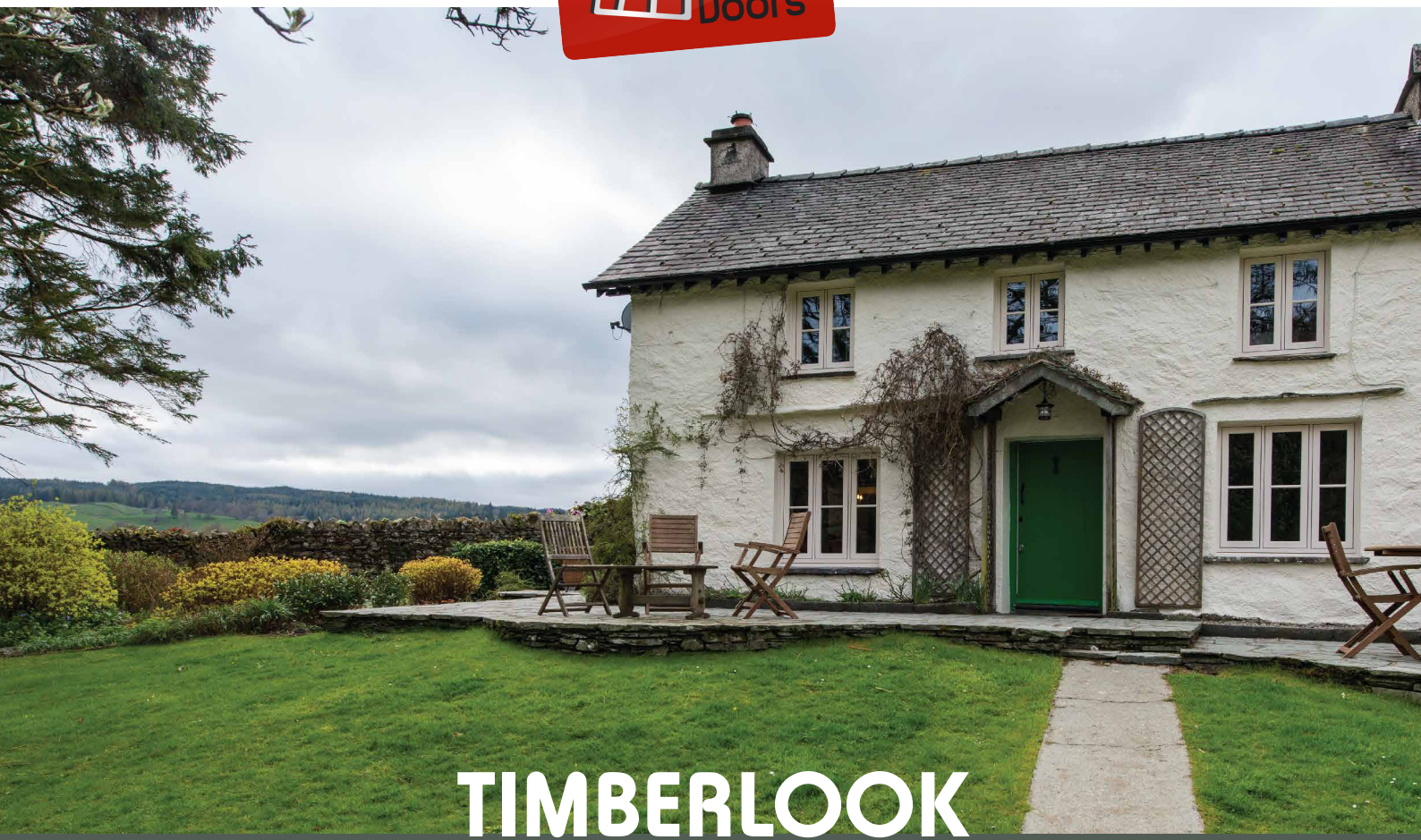
This photograph is a different colour and is for illustration purposes showing the flush type finish.

UPVC FLUSH CASEMENTS. COLOUR CREAM. RAL 9001

UPVC FLUSH CASEMENT WINDOWS

CROSS SECTIONS, DESIGN DETAILS & SPECIFICATIONS

A DESIGN GUIDE FOR SPECIFIERS AND CONSERVATION OFFICERS



TIMBERLOOK
FLUSH SASH
HERITAGE WINDOWS

www.justvaluedoors.co.uk

The Timberlook Design Guide is intended for use by specifiers and conservation officers. It contains cross section drawings and technical information that help designers and buyers to better understand the dimensions and details that create the Heritage Flush Sash Window.



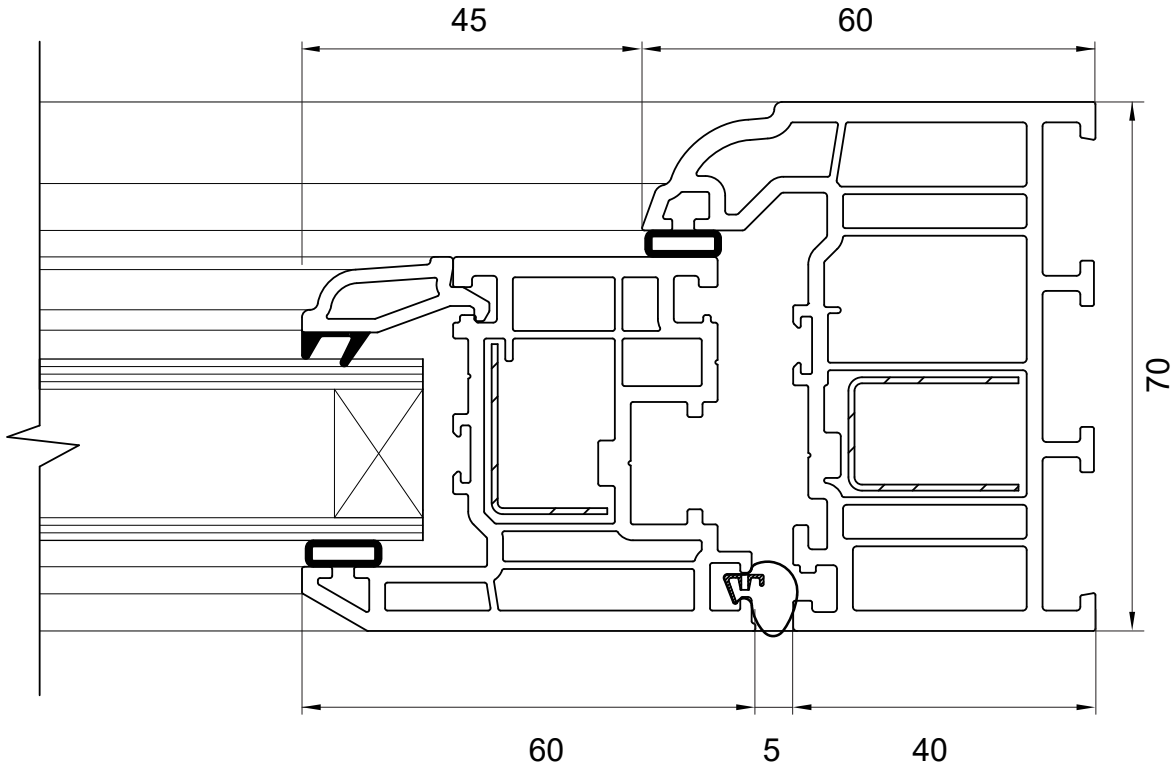
Timberlook windows have been specifically designed with a slimmer sash profile that mimics heritage timber frame sections. It features the traditional chamfer on the outside, with a fully sculptured ovolo detail internally.

Great care has been taken in choosing authentic ancilliary details, including slim external astragal glazing bars, an optional deeper bottom sash rail, and an optional deeper cill design - The Radlington - which copies the style of a timber 'block' cill.

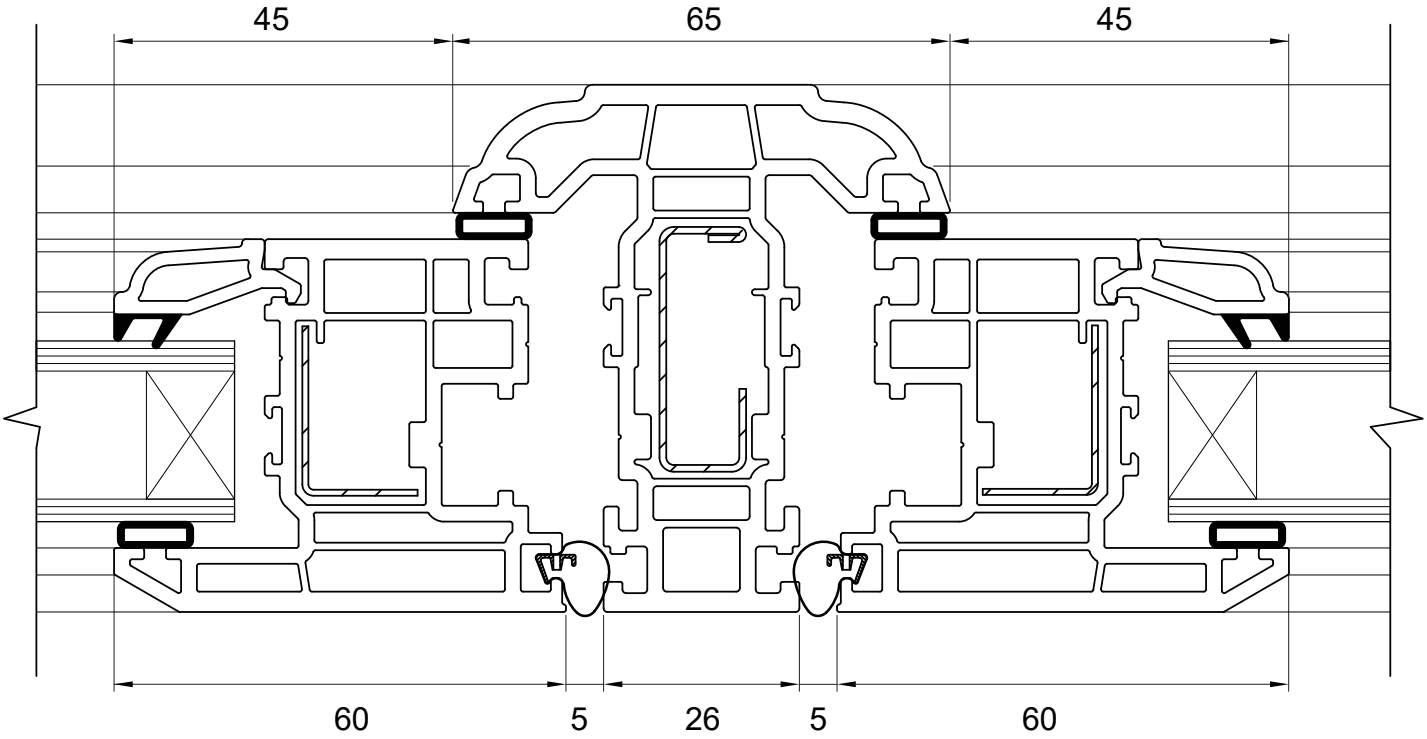
All window frames are mechanically joined, with a 'butt-joint' appearance on the sash, the transom, mullions, and outer frame - This detail finalises the Heritage Flush Sash, creating the authentic look of a traditional timber window frame.



Opening Sash and Outer Frame - Applies to head, cill and both sides



Transom and Mullion

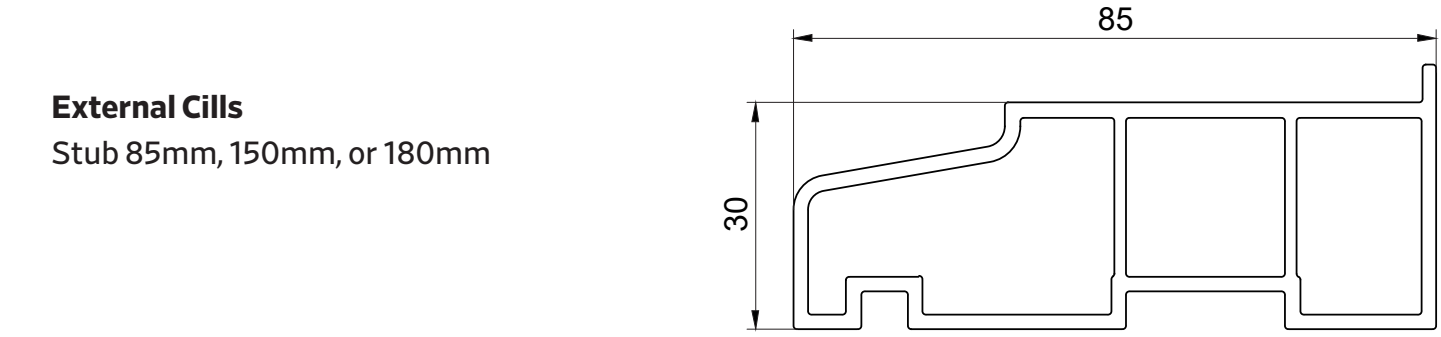


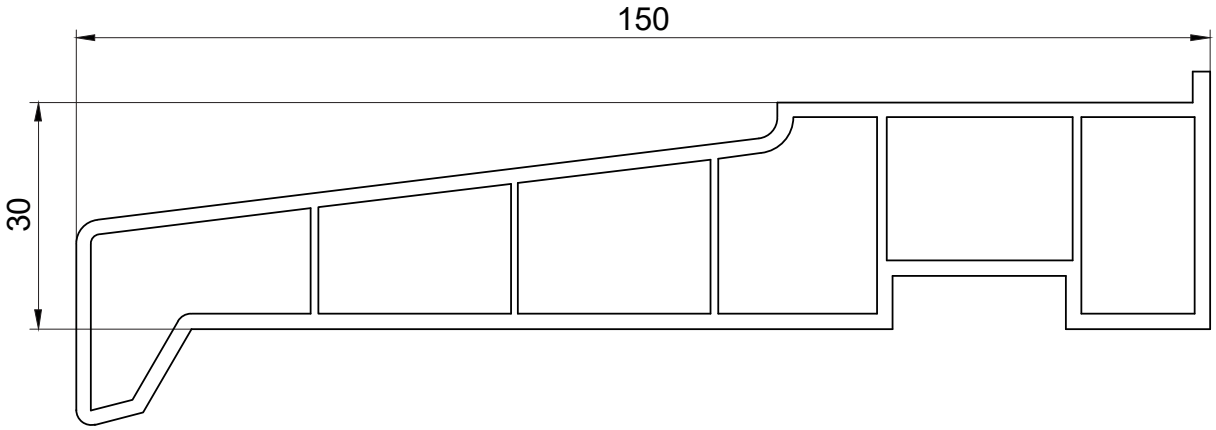


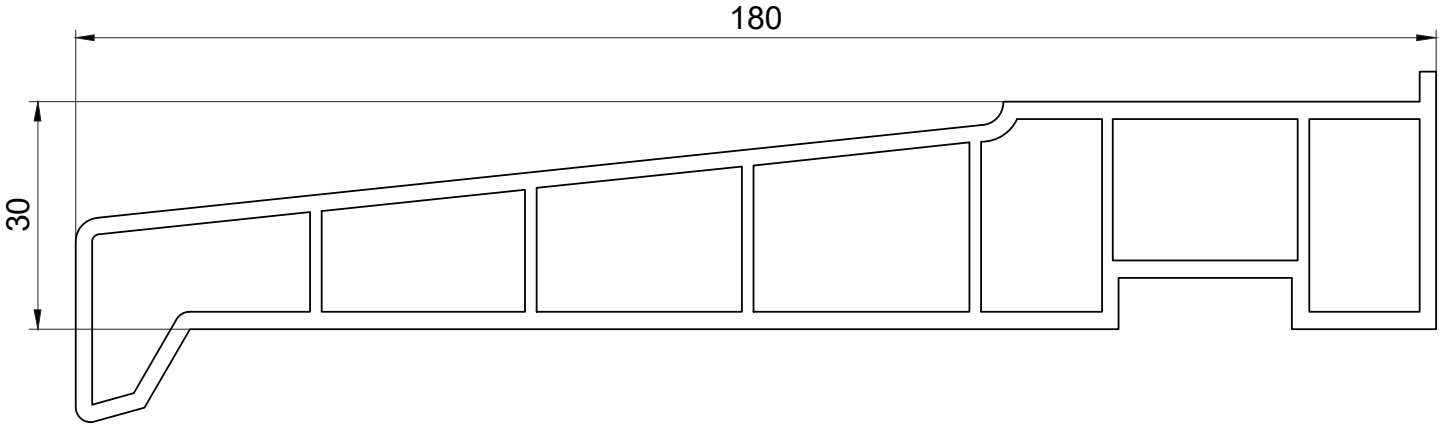


External Cills

Stub 85mm, 150mm, or 180mm

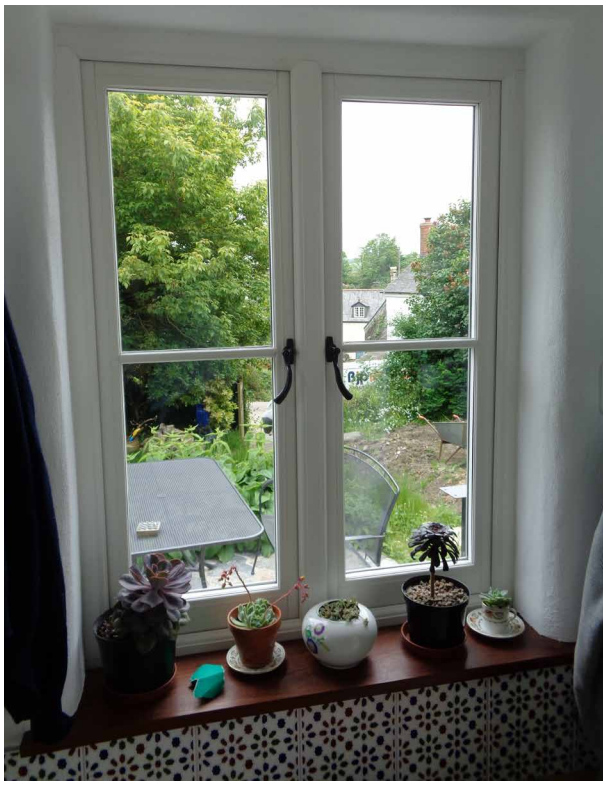




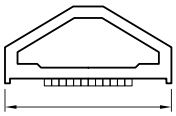


Glazing / Astragal Bar Detail



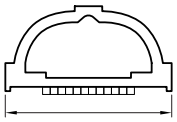


VS61



22mm External Glazing Bar
Chamfered Georgian Style

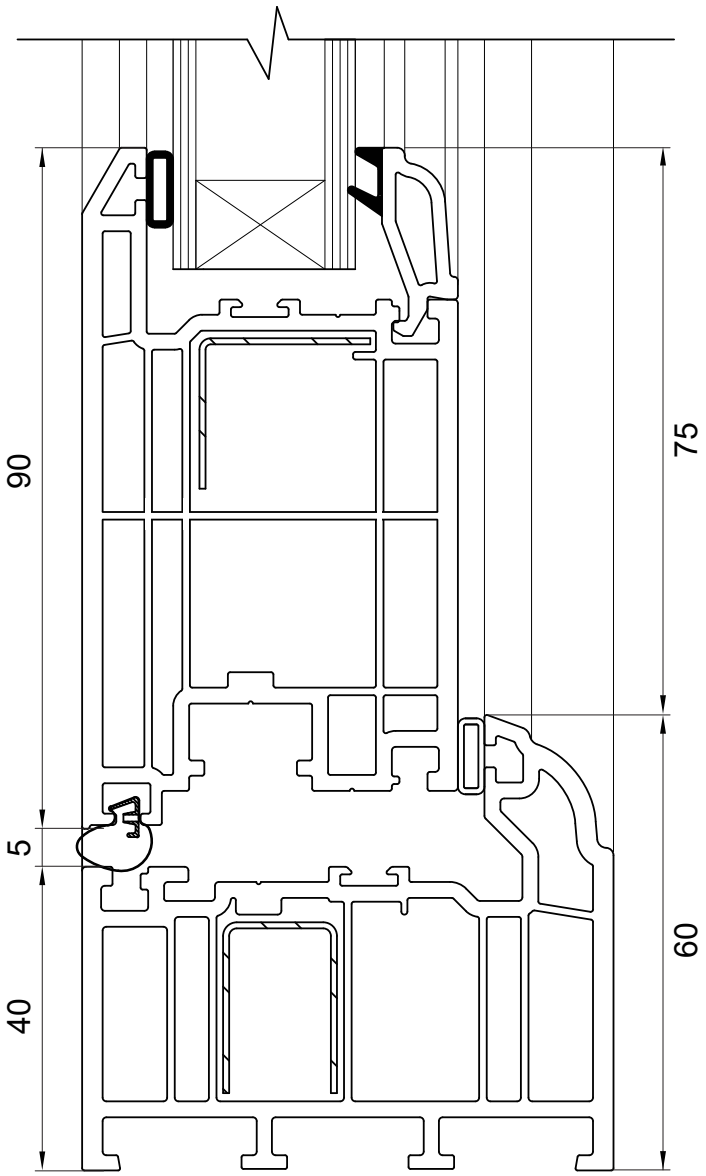
VS11



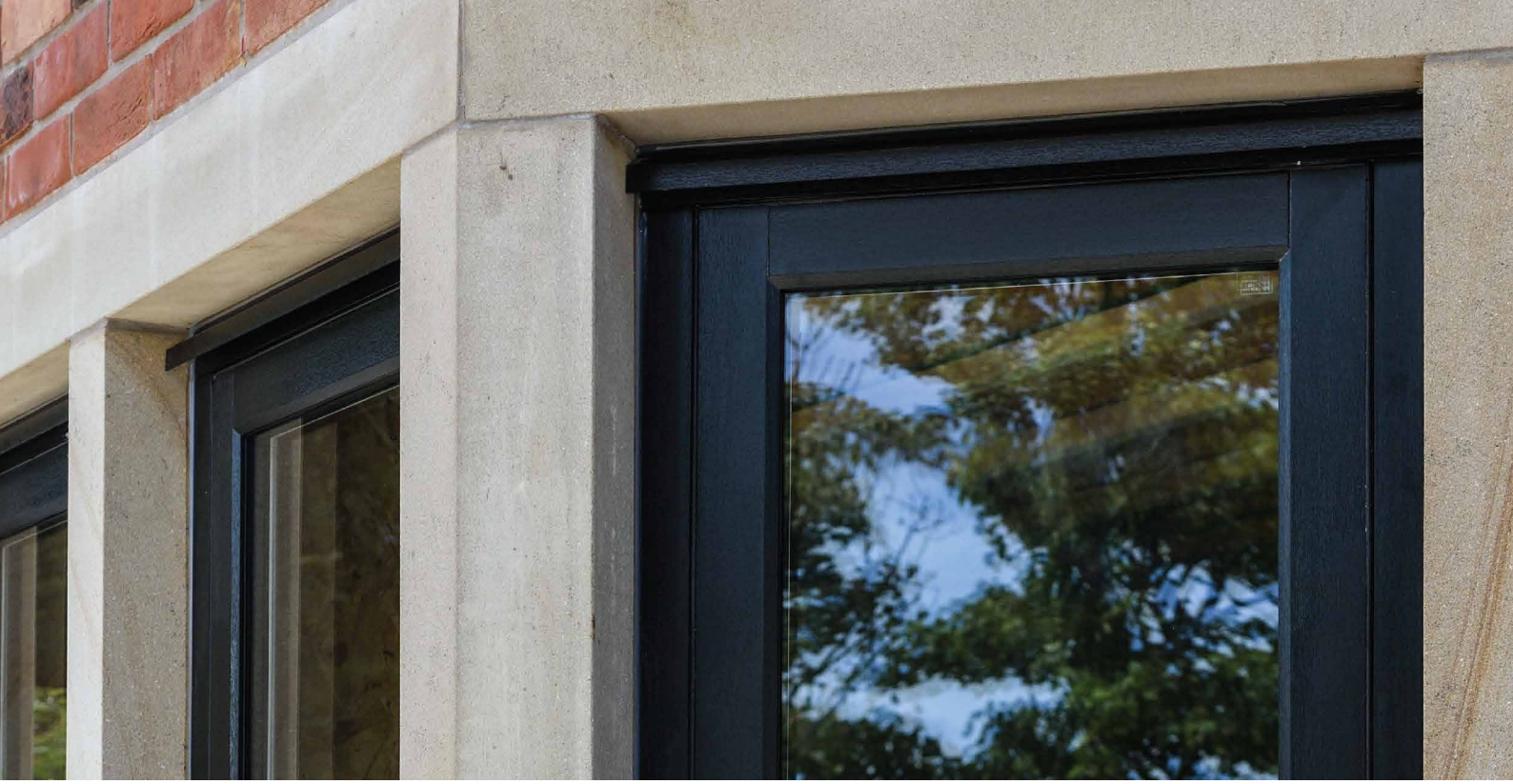
22mm Internal Glazing Bar
Matches Internal Frame Detail



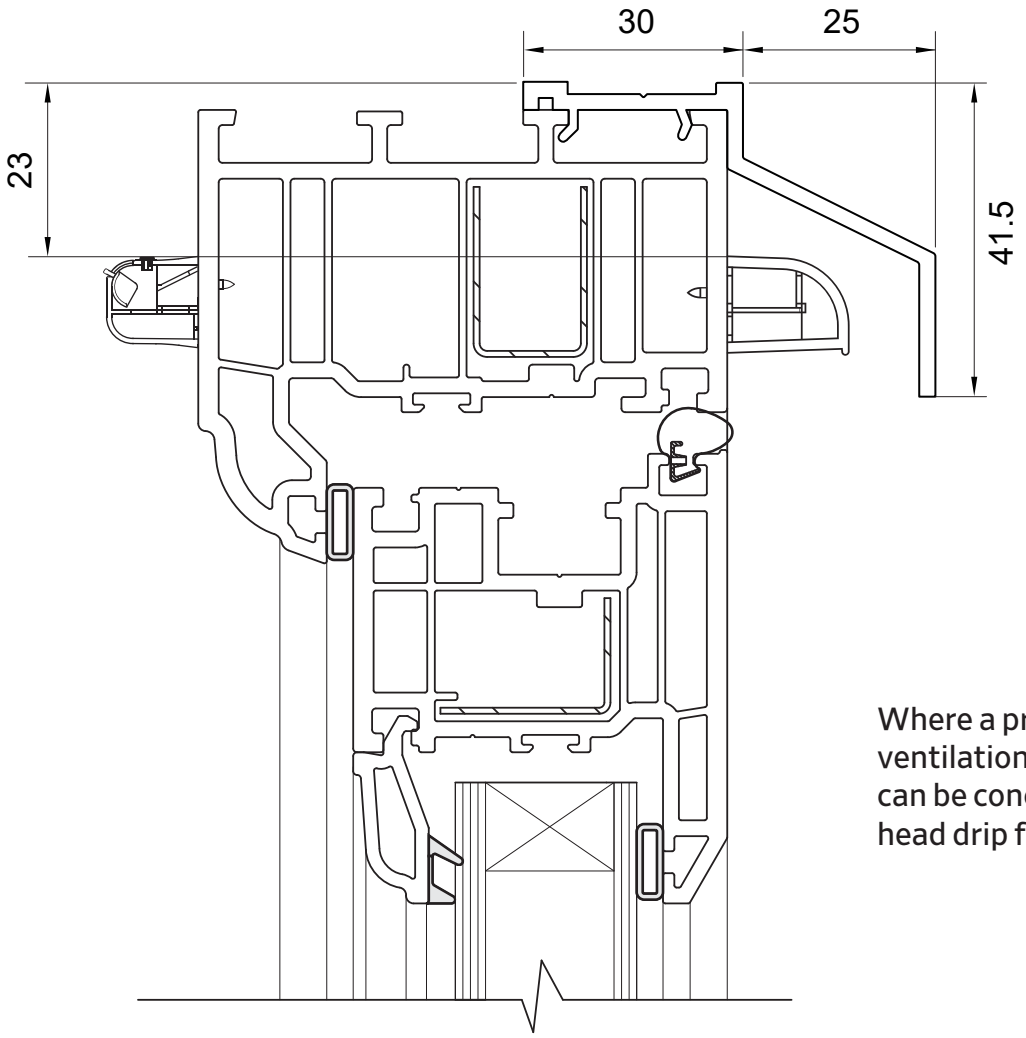
Deep Bottom Rail - Optional Addition







Concealed Trickle Ventilation - Optional Addition



Where a project requires trickle ventilation, external vent covers can be concealed with an additional head drip for the outerframe.

Document Q and PAS 24

Timberlook windows can be specified to the latest **Document Q standards** and have also passed independent testing to gain **PAS24 certification**.

Windows that require uprated glass and hardware must be specified at point of order.



BFRC Rating kWh/(m^2·yr)	Label index	EWER Rating Scale	Window Rating
≥10	2	A+	A
0 to <10 ⇦		⇨ A ⇦	
-10 to <0		B	
-20 to <-10		C	
-30 to <-20		D	
-50 to <-30		E	
-70 to <-50		F	

BFRC Rating = $218.6g_{window}$ - 68.5 x (U_{window} + Effective L_{50}) =		1.79
Climate zone is:		UK
Thermal transmittance, W/(m^2·K)	U_{window}	1.4
Solar factor	g_{window}	0.45
Window air leakage heat loss, W/(m^2·K)	L_{factor}	0.01

British Fenestration Rating Council





TIMBERLOOK
FLUSH SASH
HERITAGE WINDOWS

Timberlook Flush Sash Windows and Doors are an ideal choice for anybody undertaking renovation or conservation projects, new build homes, or simply replacing windows.

Timberlook is a uPVC window system that replicates traditional wooden windows, with authentic appearances and a 'butt joint' mortise and tenon look. It was developed for period, character, and historic projects, but is a suitable alternative for renovations & new build developments in conservation areas too.

Our energy-efficient and maintenance-free flush casement windows are designed for modern living. Timberlook can be specified to Document Q, and is certified to PAS24 with uprated glass and hardware. Installations are made faster, easier, and safer than with other flush systems - it has a 70mm frame depth and glass units are supplied separately.

www.justvaluedoors.co.uk

Just Value Doors

Registered Office: Just Value Doors Ltd, Units 2-3 Station Rd Ind Est, Browning Rd TN21 8DB Company Registration No: 09635370 I FENSA Registration No: 33864

Cl/SfB
(Ff3)

May 2017

Forticrete stone



Cast Stone dressings

Creating a tradition for over 40 years

ECOWALL®



Multiple Cast Stone elements at Kibworth Beauchamp, Leicestershire.
Front:
Multiple Cast Stone elements at St Elphin's Park retirement village, Robinson Court, Darley Dale, Matlock.

Contents

4 General specification
5 Quoins
6 Plinths
7 String courses
8 Cills
9 Heads
10 Window surrounds
11 Bullseyes and arches
12 Door surrounds
Porch surrounds
13 Corbels
14 Caplock coping system
15 Copings
16 Gable vents
Apex and kneelers
Name and datestones
Chimney copings
17 Pier caps
Spheres
18 Balustrades
19 Porticos

Introduction

Forticrete's Cast Stone manufacturing facilities have been replicating the traditions of natural stone in Britain since

Today, Forticrete's Cast Stone Dressings are a perfect example of advanced technology and time honoured craftsmanship working together in perfect harmony. The result is a wide range of standard profiles of semi-dry cast stone products of unrivalled quality with no compromise to aesthetic appeal.

Design freedom: bespoke Cast Stone dressings

In the majority of cases, Forticrete's skilled craftsmen can fulfil your design requirements for bespoke items and turn them into reality; the only limitation is that Forticrete must be able to de-mould and handle the units. The designs you have in mind may be inspired by classical architecture or more decorative styles. Forticrete's bespoke service offers you the maximum design freedom, especially when using unusual sizes, intricate or irregular shapes in conjunction with a bespoke colour capability (see below).

It's the ideal service whether you are including distinctive design touches in a new build project, blending seamlessly into a sensitive environment or undertaking restoration work.

Individual quotations for these items will be provided on receipt of instructions. In the rare instance that your bespoke designs are not achievable, Forticrete's experienced sales and technical team are able to suggest alternatives that will complement your original ideas.

Design and technical advice are also offered and standard colour samples are promptly available.

Simply contact the Forticrete Customer Service Office to discuss your requirements.

Colours

Forticrete Cast Stone is available in a choice of six standard colours that are intended to replicate the natural stones available throughout the UK. In common with natural stone, Forticrete Dressings are through coloured.

Bespoke colours

Forticrete has a library of over 100 bespoke Cast Stone colours that can be reproduced with accuracy at any time. Products in these colours can be provided but will incur a supplementary cost.

Naturally high grade

Forticrete's factories use controlled processing that ensures an accurate mix of the raw materials is produced.

Quality without compromise

All Forticrete Cast Stone products are manufactured under a BS EN ISO 9001 quality management system. Products that meet the specific requirements of the harmonised standards BS EN 771-5 - Manufactured stone masonry units, and BS EN 845-2 - Lintels, will be CE marked accordingly. Declarations of Performance are available at www.forticrete-ce.com.

All other products are manufactured and kitemarked to BS 1217 – Cast Stone and in accordance with BS 5642-1 - Specification for window sills of precast concrete, cast stone, clayware, slate and natural stone; and BS 5642-2 - Specification for copings of precast concrete, cast stone, clayware, slate and natural stone.

We introduced an 'ECO' branding scheme for product development some 10 years ago to enable our customers to instantly recognise that our products have high environmental credentials. As a consequence of our manufacturing facilities conforming to the quality standard BS EN ISO 9001, environmental management standard BS EN ISO 14001 and the responsible sourcing standard BES 6001, all of our products carry an 'ECO' mark.

Weathering resistance

All Forticrete Cast Stone products are manufactured with water repellent admixtures which reduce both water absorption and penetration.

These admixtures are incorporated in the constituent mix and are therefore an inherent feature of the products even after cutting.

An additional benefit during construction is a reduced initial suction of moisture from the joints, allowing improved curing of the mortar without any loss of adhesion.

Engraving service

Communication is a key requirement in today's world. Forticrete can offer you engraved cast stone units, which could be simple name stones or logos, or a combination of both. This instantly differentiates your building, making it immediately recognisable and unique.

General notes

All dimensions shown in this brochure are in millimetres. Stone to stone joints can be either 5mm or 10mm depending upon the size of unit as well as location and method of fixing. See Dimensional tolerances below.

No provision will be made for fixings unless they have been specified or are stated in this brochure.

Any product sold will be sold subject to Forticrete's current terms and conditions of sale, which are available from our Customer Service Office.



Portland

Bath

Buff

Holyrood

Glamis Red

Sherwood

The reproduction of colour is as close as is possible within the photographic
and printed processes. Where precise colour tolerances are vital, you are

Stone in Stock

A number of standard items are available from stock in the Bath colour. Stone-in stock supplied in Scotland is available in Buff colour. See our brochures entitled 'Stone in Stock' and 'Stone in Stock Scottish Range'.

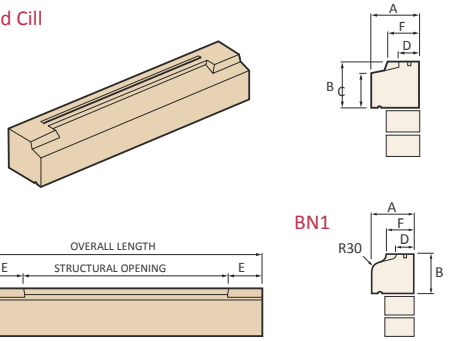


Stooled cills are built in at the time of construction.

They should be bedded under the stooling only at the time of installation with an inert packer in the centre. The cill should be solidly pointed as the scaffold is taken down upon completion of the construction.

Code	A	B	C	D	E*	F	Max Length	Kg Per Lin/M
T1-40	150	140	105	40	102.5/140	100	1547	39
BN1	150	140		65	102.5/140	100	1547	39
T2	150	65	40	65	102.5/140	100	1000	17
T3	200	140	105	65	102.5/140	150	1547	53
T4-40†	175	140	105	40	102.5/140	125	1547	46

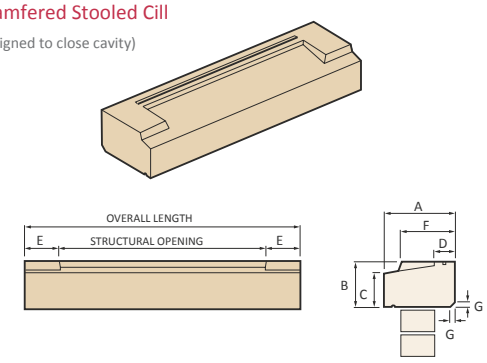
Stooled Cill



Code	A	B	C	D	E*	F	G	Max Length	Kg Per Lin/M
ST6	215	140	105	65	102.5/140	165	18	1547	56
ST7	215	65	40	65	102.5/140	165	18	1000	24
ST8	245	140	105	65	102.5/140	195	18	1547	63

Chamfered Stooled Cill

(Designed to close cavity)



* Specify on ordering
† Designed for use with render

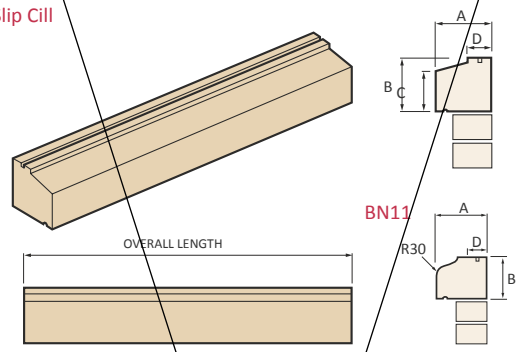
Cills

Cills are manufactured in accordance with BS 5642.

Cills of greater length than those shown in the tables are available and are made in more than one piece.

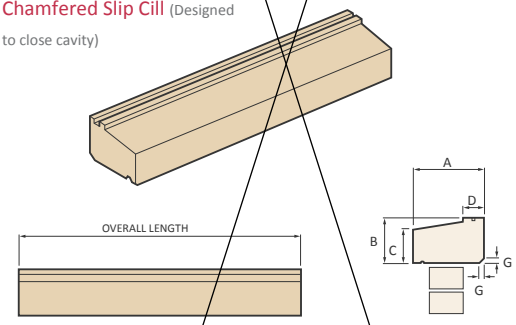
Code Lin/M	A	B	C	D	Max Length	Kg Per
T11-40	150	140	105	40	1547	39
BN11	150	140	-	65	1547	39

Slip Cill



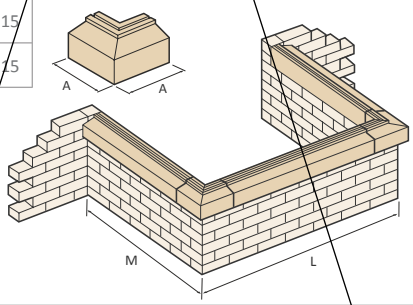
Code Lin/M	A	B	C	D	E	Max Length	Kg Per
SC10	215	140	105	65	18	1547	55
SC11	215	65	40	65	18	1000	22

Chamfered Slip Cill (Designed to close cavity)



Code	A	Kg
T11-40-90E	265	15
BN11-90E	265	15

Slip Cills forming 90º at Bay

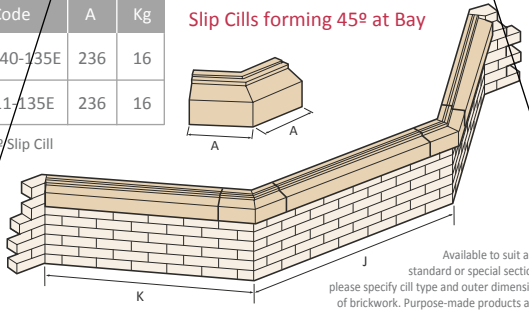


90º Slip Cill

Available to suit any standard or special section, please specify cill type and external dimensions of brickwork. Purpose-made products are available on request.

Code	A	Kg
T11-40-135E	236	16
BN11-135E	236	16

Slip Cills forming 45º at Bay

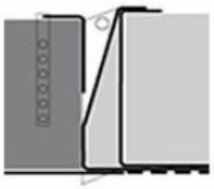


135º Slip Cill

Available to suit any standard or special section, please specify cill type and outer dimension of brickwork. Purpose-made products are available on request.

Products Overview
Cavity wall lintels
Single wall lintels
Double wall lintels
Outer leaf lintels
Arch lintels
Curve & corner lintels
Feature brick options
Wind post systems
Roller shutter lintels
Brick Cutter Lintels
Structural Steel Lintels

Feature Brick Lintels



What is 'Feature Brick' ?

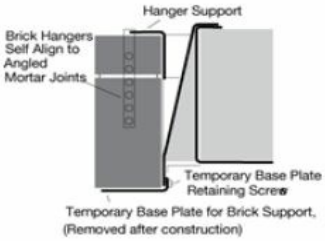
Rather than being a special type of lintel, feature brick is actually an option available on most standard lintels. We take the standard lintel design you require and tweak it so that the outer leaf of masonry (or the only leaf of masonry in the case of single solid walls) is supported from above or behind rather than underneath.

The Advantages

The Feature Brick option effectively hides the lintel so that you see masonry on the underside of the soffit instead of steel. This improves the aesthetics of the installation and also eliminates the requirement for maintenance on the soffit.

The weight of the masonry is instead supported at a convenient course above the lintel, with the 'feature brick' course effectively hanging from the lintel.





How to specify a Feature Brick Lintel

You simply use the same specification as for the lintel you would need if you didn't required feature brick, and then suffix the specification "FB" so we know to manufacture the feature brick version.

We also usuallyneed to know the height and width of the brick feature (soldier course etc) as well as the opening span so we can design the leaf support in the correct location.

The lintel is normally supplied with a temporary base plate on which the feature course(s) are built (shown left). This is later removed and the joints on the underside pointed/cleaned prior to the mortar becoming fully cured.

What is possible

Feature brick is usually specified for arches and openings above walkways where the soffit is in prominent view, or on traditional designs where a steel lintel would not have traditionally been installed but is now required to comply with modern regulations.

Various types of straight lintels, arches and even curves can all bee accommodated in feature brick

