

Forticretestone



Cast Stone dressings

Creating a tradition for over 40 years



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.

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Introduction

Forticrete's Cast Stone manufacturing facilities have been replicating the traditions of natural stone in Britain since 1968.

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

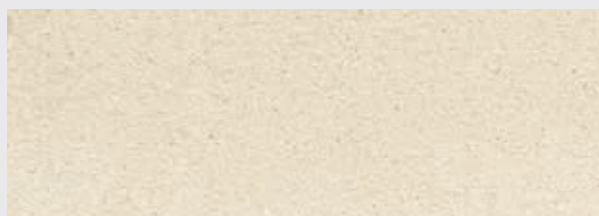
Communication is a key requirement in today's world. Forticrete can offer you engraved cast stone units, which could be simple name stones or logos, or a combination of both. This instantly differentiates your building, making it immediately recognisable and unique.

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.

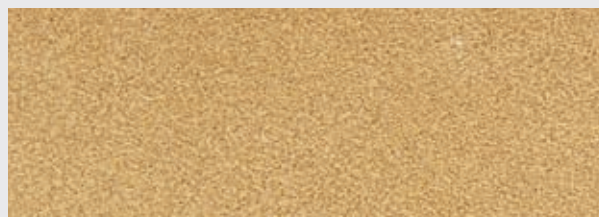
Any product sold will be sold subject to Forticrete's current terms and conditions of sale, which are available from our Customer Service Office.



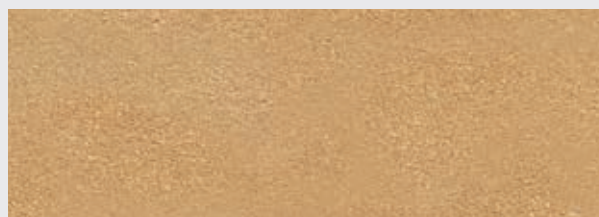
Portland



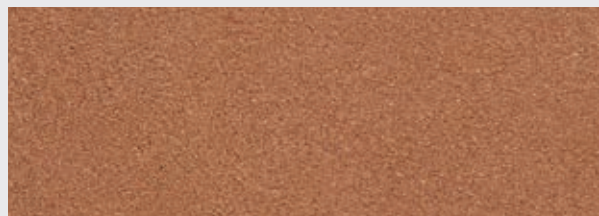
Bath



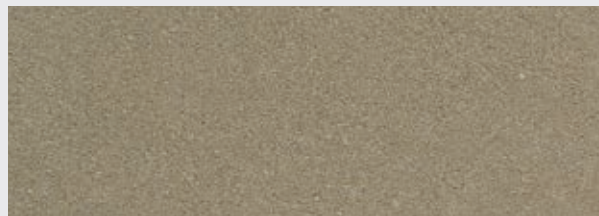
Buff



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 advised to view actual product samples.

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'.



Multiple Cast Stone elements at a Private House in Doncaster.

General specifications

Forticrete Cast Stone Dressings are manufactured from high grade limestone and sandstone aggregates that have been chosen for their known performance and reliable quality. The cement, pigments and waterproofing admixtures all conform to their appropriate British or European Standard.

Forticrete Cast Stone Dressings are created from a homogeneous mix, without using a 'backing' material. This ensures that no undue stresses are built up within the unit.

The major technical performance characteristics of Forticrete Cast Stone Dressings comply with the requirements of BS EN 771-5, BS 1217 and BS EN 845-2 where applicable.

Units manufactured to BS EN 771-5 (ie units with all dimensions 650mm or less and not containing reinforcement or fixings)

Compressive Strength: units to BS EN 771-5:2011 are Category I with a mean normalised compressive strength of 25N/mm² (perpendicular to the bed face).

Gross Dry Density: 2000Kg/m³ Tested to BS EN 772-13

Thermal Conductivity: 1.00W/mK ($\lambda_{10,dry,unit}$, SI) based on table value from BS EN 1745 p=50%

Water Absorption: <2g/m².s Tested to BS EN 772-11

Dimensional Stability: <0.4mm/m. Tested to BS EN 772-14

Units manufactured to BS 1217 (ie units with dimensions greater than 650mm or containing reinforcement or fixings)

Compressive Strength: the minimum mean cube compressive strength 35Mpa (N/mm²)

Weathering class: CAT to BS 1217: <1.00mg/mm²

Factors such as design, detailing, exposure, climate and local environment all contribute to the way in which Cast Stone will weather. Forticrete Cast Stone will weather in much the same way as natural stone in similar circumstances.

Freeze / Thaw Resistance:

As Table 15 of PD6697:2010

Mortar

Mortar used for the installation of Cast Stone Dressings should not be stronger than Designation III (1:1:5/6) for standard elevations. Refer to Forticrete for other applications.

Handling reinforcement

Any units over 650mm in length contain one or more steel bars (except Caplock Coping). Other units may contain handling reinforcement.

Fixings for support, restraint and handling

Inserts and anchor slots can easily be incorporated into cast stone for restraint and for lifting at the request of the specifier/designer. Some Forticrete Cast Stone Dressings will incorporate 100mm stainless steel dovetail slots to restrain lateral movement in vertical units eg. window jambs, door jambs etc. Other fixings may be incorporated to assist with construction on site. Please discuss your requirements with us.

Pairs of lifting sockets should be used in conjunction with a spreader beam to eliminate any bending action of the unit. If a unit can only use one lifting socket then the contractor will need to take measures to prevent the unit from rotating whilst lifting. Forticrete may use lifting sockets to transport units at the source of manufacture. The use of such sockets on site should be checked with our Technical Department.

Structural properties

All cast stone units are decorative and are not designed to be load bearing, except our range of Structural Heads which comply with BS EN 845-2. The structural stability of all units in their finished state should be approved by the structural engineer carrying out the overall design for the project. Wind loading on large window features, sections of stonework, supporting lintels and fixings to cast stone units should also be considered early in the design process.

Due care and attention should also be given to the differential shrinkage and expansion rates between clay and cast stone units when employed in combination.

Site operatives must be made aware of the need to support and protect all cast stone units in their temporary state to negate the risk of any load being implied upon them whilst construction is taking place eg. window heads.

Forticrete are able to offer guidance on all areas of design and can be contacted via the telephone number on the back of this brochure.

Control joints

Consideration must be given to the creation of suitable movement control joints, full guidance for which is given in Forticrete's Masonry Design Guide. Generally, control joints for Cast Stone should be spaced at a maximum of 6m centres.

Dimensional tolerances cast stone

Units made to BS EN 771-5

Tolerance Category: D1 (± 2 mm for length & height).

Units made to BS 1217

Unit Length	Tolerance
0-600mm	± 2 mm
601-1000mm	± 3 mm
1001-2500mm	± 4 mm
2501-4000mm	± 5 mm
>4000mm	± 6 mm

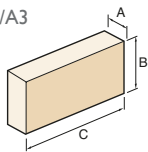
Regency® Ashlar and Quoins

All quoins are externally faced. Please specify if internal quoins are required as an alternative. Some quoin units are handed. When ordering, please remember to specify the hand required.

Code	A	B	C	D	Weight (Kg)
A1	100	215	440	-	20
A2	100	290	440	-	27
A3	150	215	440	-	30
A4	150	290	440	-	40
A5	100	140	440	-	13
A60	100	220	445	-	20
Q1	100	215	295	150	16
Q2	100	215	330	215	20
Q3	100	290	440	215	34
Q4	100	140	295	150	10
Q5	100	215	440	215	25
Q7	100	140	440	215	16
RQ5*	125	215	465	245	34
Q12	150	215	440	215	34
Q14	150	290	440	215	46
Q60-90	100	220	445	220	26

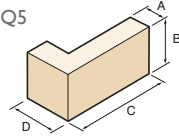
Regency® Ashlar

A1/A3



Plain Quoins

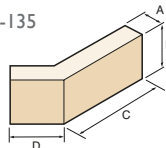
Q2/Q5



Code	A	B	C	D	Weight (Kg)
Q6	100	215	440	215	28
Q8	100	140	440	215	18
Q9	100	290	440	215	37
RQ6*	130	215	452	227	37
Q13	150	215	440	215	40
Q15	150	290	440	215	54
Q60-135	100	220	445	220	29

135° Plain Quoin

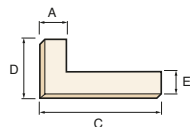
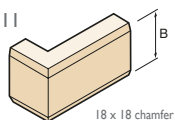
Q6-135



Code	A	B	C	D	E	Weight (Kg)
Q11	118	215	348	233	100	24
Q21	118	290	458	233	100	41
RQ11*	143	215	373	258	125	32

Chamfered Quoins

Q11

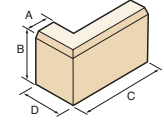
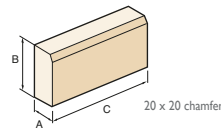


* Quoins 130mm on bed for use in conjunction with render
= Denotes handed item left hand shown in all cases.



Code	A	B	C	D	Weight (Kg)
A1C	100	215	440	-	20
Q5C†	100	215	440	215	25

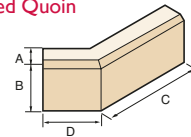
Regency® Ashlar Chamfered & 90° Quoins



Code	A	B	C	D	Weight (Kg)
Q6C†	100	215	440	215	27

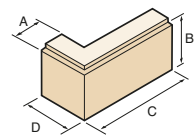
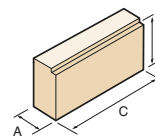
135° Chamfered Quoin

20 x 20 chamfer



Code	A	B	C	D	Weight (Kg)
A1R	100	215	440	-	20
Q5R†	100	215	440	215	25
A60R	100	220	445	-	20
Q60R-90†	100	220	445	220	25

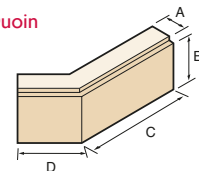
Regency® Ashlar Rebated & 90° Quoins



Code	A	B	C	D	Weight (Kg)
Q6R†	100	215	440	215	27
Q60R-135†	100	220	445	220	28

135° Rebated Quoin

Rebate 20mm deep x 18mm high.

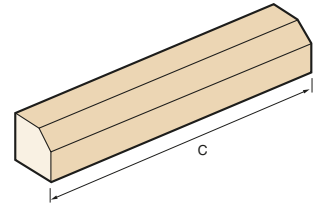
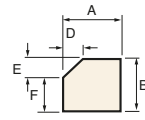




Plinths

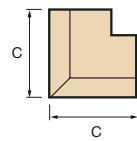
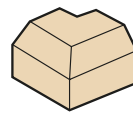
Code	A	B	C	D	E	F	Weight (Kg)
PLI	150	140	890	50	50	90	37

PLI



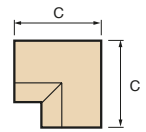
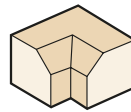
Code	A	B	C	D	E	F	Weight (Kg)
PLI-90E	150	140	215	50	50	90	12

PLI-90E



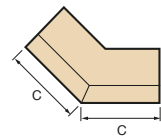
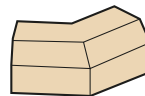
Code	A	B	C	D	E	F	Weight (Kg)
PLI-90INT	150	140	215	50	50	90	12

PLI-90INT



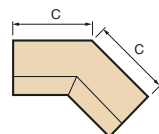
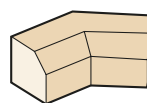
Code	A	B	C	D	E	F	Weight (Kg)
PLI-135E	150	140	215	50	50	90	15

PLI-135E



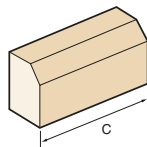
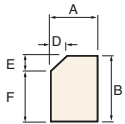
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PLI-135INT	150	140	215	50	50	90	15

PLI-135INT



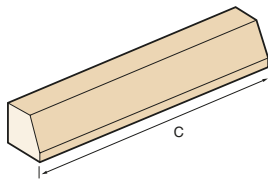
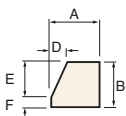
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PL2	150	215	440	50	50	165	29
PL2-90E	150	215	215	50	50	165	18
PL2-90INT	150	215	215	50	50	165	18
PL2-135E	150	215	215	50	50	165	24
PL2-135INT	150	215	215	50	50	165	24

PL2



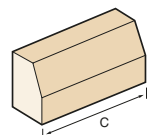
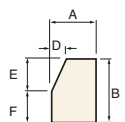
Code	A	B	C	D	E	F	Weight (Kg)
PL3	150	140	890	50	110	30	34
PL3-90E	150	140	215	50	110	30	11
PL3-90INT	150	140	215	50	110	30	11
PL3-135E	150	140	215	50	110	30	14
PL3-135INT	150	140	215	50	110	30	14

PL3



Code	A	B	C	D	E	F	Weight (Kg)
PL4	150	215	440	50	110	105	27
PL4-90E	150	215	215	50	110	105	18
PL4-90INT	150	215	215	50	110	105	18
PL4-135E	150	215	215	50	110	105	23
PL4-135INT	150	215	215	50	110	105	23

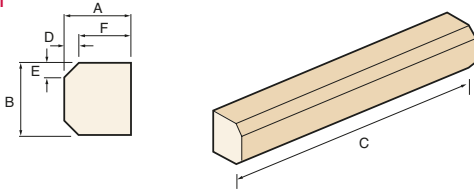
PL4



String Course

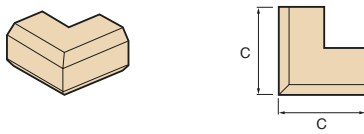
Code	A	B	C	D	E	F	Weight (Kg)
SCI	130	140	890	30	30	100	32

SCI



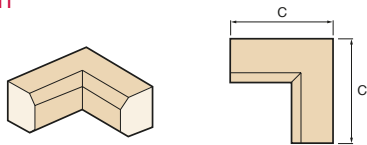
Code	A	B	C	D	E	F	Weight (Kg)
SCI-90E	130	140	245	30	30	100	13

SCI-90E



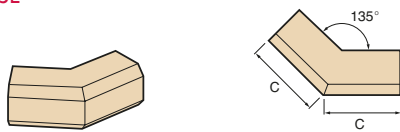
Code	A	B	C	D	E	F	Weight (Kg)
SCI-90INT	130	140	315	30	30	100	17

SCI-90INT



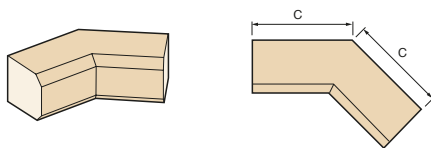
Code	A	B	C	D	E	F	Weight (Kg)
SCI-135E	130	140	227	30	30	100	14

SCI-135E

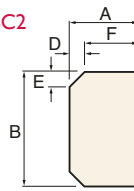


Code	A	B	C	D	E	F	Weight (Kg)
SCI-135INT	130	140	256	30	30	100	17

SCI-135INT

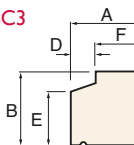


SC2



Code	A	B	C	D	E	F	Weight (Kg)
SC2	130	215	440	30	30	100	25
SC2-90E	130	215	245	30	30	100	20
SC2-90INT	130	215	315	30	30	100	29
SC2-135E	130	215	227	30	30	100	23
SC2-135INT	130	215	256	30	30	100	26

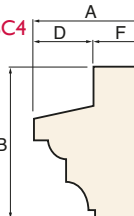
SC3



Profile applies to T1 & T11
cill units only (see page 8)

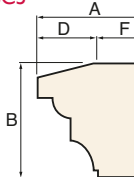
Code	A	B	C	D	E	F	Weight (Kg)
SC3	150	140	890	50	105	100	37
SC3-90E	150	140	265	50	105	100	15
SC3-90INT	150	140	315	50	105	100	20
SC3-135E	150	140	236	50	105	100	17
SC3-135INT	150	140	256	50	105	100	19

SC4



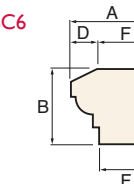
Code	A	B	C	D	F	Weight (Kg)
SC4	217	290	440	115	102	39
SC4-90E	217	290	330	115	102	34
SC4-90INT	217	290	318	115	102	42
SC4-135E	217	290	262	115	102	36
SC4-135INT	217	290	258	115	102	40

SC5



Code	A	B	C	D	F	Weight (Kg)
SC5	217	215	440	115	102	32
SC5-90E	217	215	330	115	102	28
SC5-90INT	217	215	318	115	102	34
SC5-135E	217	215	262	115	102	30
SC5-135INT	217	215	258	115	102	32

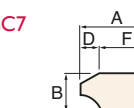
SC6



Can be used as label
mould to window heads

Code	A	B	C	D	F	Weight (Kg)
SC6	157	140	890	55	102	34
SC6-90E	157	140	270	55	102	14
SC6-90INT	157	140	318	55	102	19
SC6-135E	157	140	238	55	102	15
SC6-135INT	157	140	258	55	102	18

SC7



Can be used as label
mould to window heads

Code	A	B	C	D	F	Weight (Kg)
SC7	140	70	890	40	100	16
SC7-90E	140	70	255	40	100	6
SC7-90INT	140	70	315	40	100	9
SC7-135E	140	70	232	40	100	7
SC7-135INT	140	70	256	40	100	8

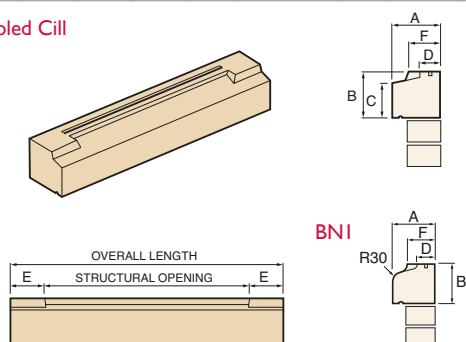


Stooled cills are built in at the time of construction.

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

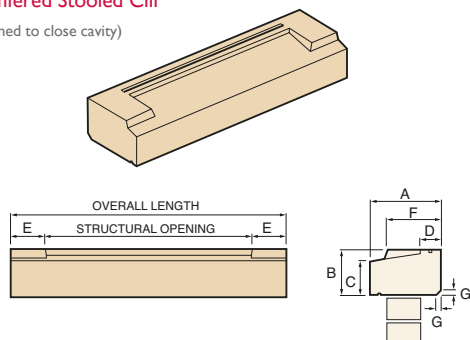
Stooled Cill



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

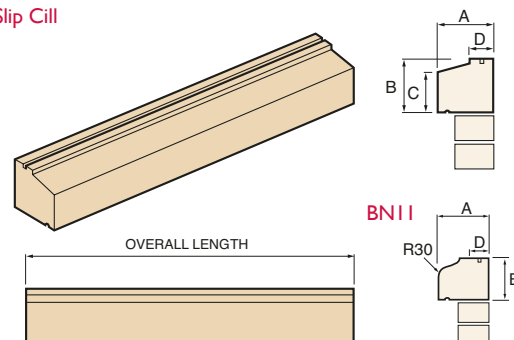
Cills

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.

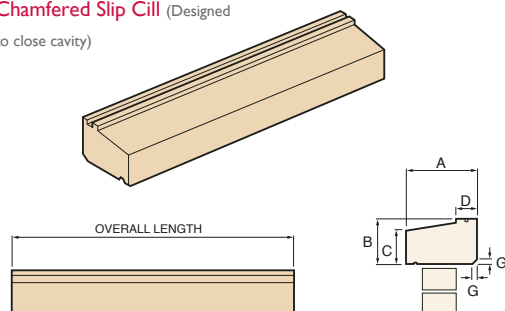
Code	A	B	C	D	Max Length	Kg Per Lin/M
T11-40	150	140	105	40	1547	39
BN11	150	140	-	65	1547	39
T12	150	65	40	65	1000	17

Slip Cill



Code	A	B	C	D	E	Max Length	Kg Per Lin/M
SC10	215	140	105	65	18	1547	55
SC11	215	65	40	65	18	1000	22
SC12†	245	140	105	65	18	1547	62

Chamfered Slip Cill (Designed to close cavity)



Code	A	Kg	Slip Cills forming 90° at Bay
T11-40-90E	265	15	
BN11-90E	265	15	

90° 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	Slip Cills forming 45° at Bay
T11-40-135E	236	16	
BN11-135E	236	16	

135° 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.

Structural Heads

These units contain a post-tensioned stainless steel element. They will support loads as indicated in the table. It is essential that this load is in one direction and that the head is laid so that the orientation is correct.

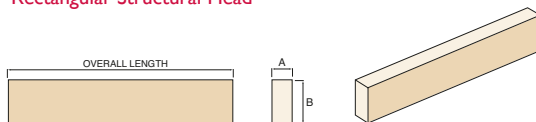
Additional Requirements:

1. The maximum lengths shown cannot be exceeded.
2. Structural Heads cannot be CUT, GROUND, DRILLED or CHASED under any circumstances. Please advise of special requirements at the time of ordering as these may be accommodated in the casting process.
3. Structural Heads must be installed with the top uppermost.
4. Structural heads must be used with a 150mm bearing.

Please allow an extra 2 weeks for Structural Heads above standard availability for full curing to take place.

Code	A	B	Allowable Safe Working Load (kN/m) at maximum length	Max Length	Weight Kg/m
SH1	100	140	9.4	1642	29
SH2	100	215	4.7	2800	46
SH5	100	290	4.7	2800	61

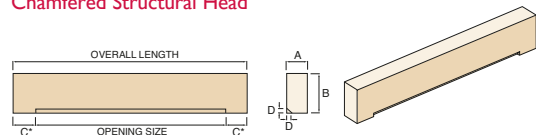
Rectangular Structural Head



Structural heads must be used with a 150mm bearing

Code	A	B	C	D	Allowable Safe Working Load (kN/m) at maximum length	Max	Weight
SH3	100	140	150	18	9.4	1642	29
SH4	100	215	150	18	4.7	2800	46
SH6	100	290	150	18	4.7	2800	61

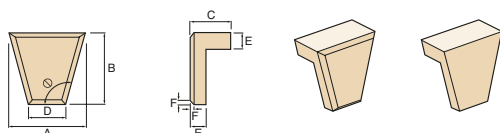
Chamfered Structural Head



Structural heads must be used with a 150mm bearing

Code	A	B	C	D	E	F	Weight (Kg)
K1	265	215	165	150	65	18	9
K2	305	290	165	150	65	18	13
K3	346	365	165	150	65	18	16

Cosmetic Keystone K1/2/3



Degree angle $\odot = 105^\circ$ to match Splayed Heads
If chamfered Keystone is required please pre-fix with C

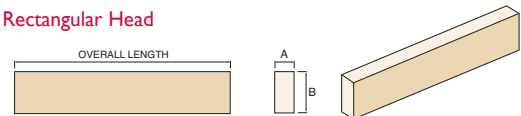


Decorative Heads

Decorative Heads of greater length than those shown in the tables are available and are made in pieces.

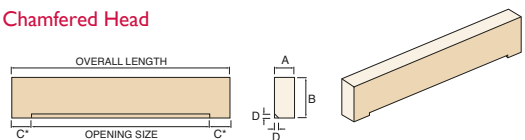
Code	A	B	Max Length	Kg Per Lin/M
DH1	100	140	1547	29
DH2	100	215	2500	46
DH5	100	290	2500	61

Rectangular Head



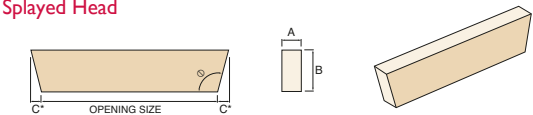
Code	A	B	C	D	Max Length	Kg Per Lin/M
DH3	100	140	102.5/140	18	1547	29
DH4	100	215	102.5/140	18	2500	46
DH6	100	290	102.5/140	—	2500	61

Chamfered Head



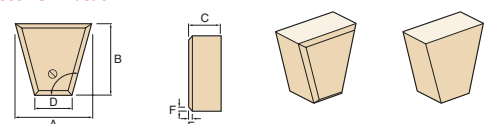
Code	A	B	C	Max Length	Kg Per Lin/M
DH11	100	215	58	2500	45
DH12	100	290	78	2500	61

Splayed Head



Code	A	B	C	D	F	Weight (Kg)
K4	265	215	130	150	18	12
K5	305	290	130	150	18	18
K6	346	365	130	150	18	24

Keystone K4/5/6

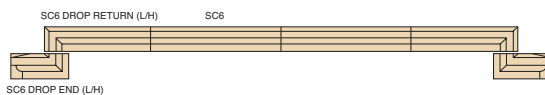




Window Surrounds

Jambs will have 100mm s/s dovetail anchor slots where they exceed 450mm in length. No fixings or allowance will be made for the interconnection of head, mullion, cill and jamb unless specified. Please specify if surrounds are to be finished internally.

Label

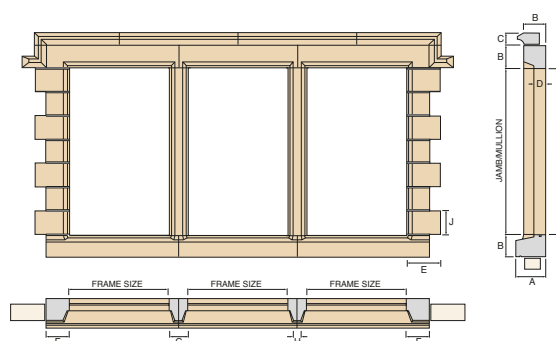


Alternative label suitable for each profile. Refer to page 7 for details.

A	B	C	D	E	F	G	H
190	140	70	75	See table below	140	118	48

Wensley

Label type SC7 refer to page 7 for details



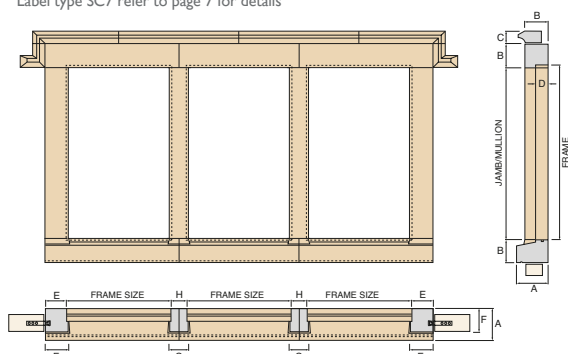
Jamb Blocks

E	140	215	140	215	140	215
J	140	140	215	215	290	290
Kg Per Unit	6	9	9	14	12	19

A	B	C	D	E	F	G	H
190	140	70	75	128	140	118	94

Darley

Label type SC7 refer to page 7 for details

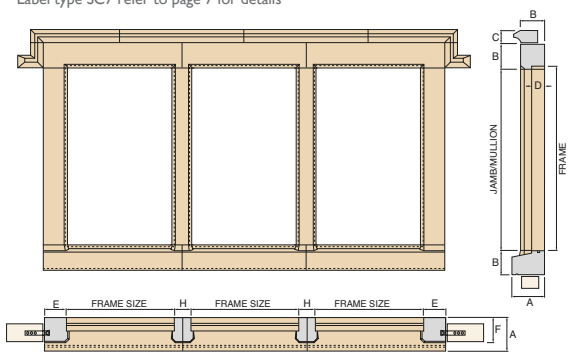


S/S Anchor slots cast in jambs at a maximum of 450mm centres

A	B	C	D	E	F	G	H
190	140	70	75	128	140	118	94

Derwent

Label type SC7 refer to page 7 for details



S/S Anchor slots cast in jambs at a maximum of 450mm centres

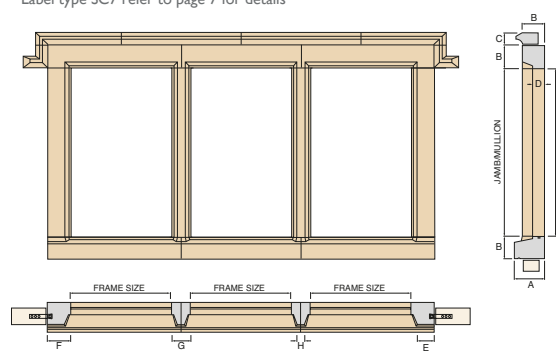
Note: If the Darley or Derwent surrounds are required to course with adjacent brickwork, the window frames should be 22mm higher than standard, ie. A 1050mm high frame would need to be 1072mm to allow for 2 no. 5mm joints and a 12mm rebate.

Code	Kg Per Lin/M
CILL (overhanging)	52
CILL (flush)	41
JAMB	41
MULLION	35
HEAD	41
SC6	38
SC7	18

A	B	C	D	E	F	G	H
190	140	70	75	105	140	118	48

Winstar

Label type SC7 refer to page 7 for details



S/S Anchor slots cast in jambs at a maximum of 450mm centres

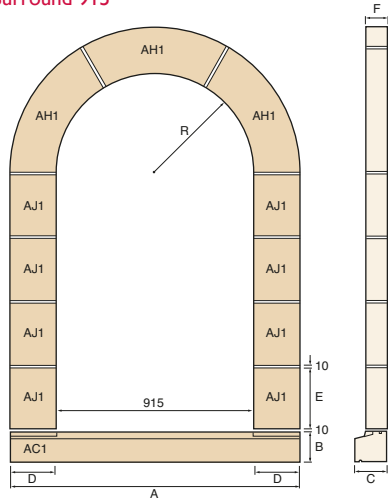
Note: If the Wensley or Winstar surrounds are required to course with adjacent brickwork, the window frames should be 10mm higher than standard, ie. A 1050mm high frame would need to be 1060mm. This is due to the fact that ordinary masonry frames are smaller in height by 10mm to allow for the structural lintel to sit in-between the frame and masonry. When using stone heads the structural lintel is ideally placed above the self supporting head.

Code	Kg Per Lin/M
CILL (overhanging)	52
CILL (flush)	41
JAMB	41
MULLION	35
HEAD	41
SC6	38
SC7	18

Arched Surrounds

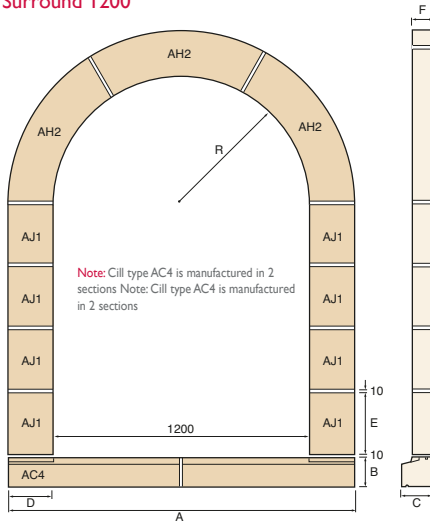
Code	A	B	C	D	E	F	R	Weight (Kg)
AC1	1345	140	150	215	-	-	-	53
AJ1	-	-	-	215	290	100	-	13
AH1	-	-	-	215	-	100	458	27

Arched Surround 915



Code	A	B	C	D	E	F	R	Weight (Kg)
AC4	1630	140	150	215	-	-	-	64
AJ1	-	-	-	215	290	100	-	13
AH2	-	-	-	215	-	100	600	33

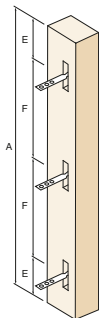
Arched Surround 1200



Code	A	B	C	D	E	F	Weight (Kg)
JHI-A1	1050	140	50	100	150	375	30
JHI-A2	1200	140	50	100	150	450	35
JHI-B1	1050	100	50	140	150	375	30
JHI-B2	1200	100	50	140	150	450	35

Jambs

JHI-A



JHI-B

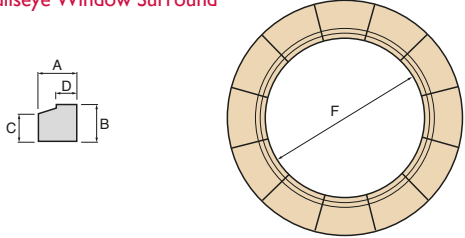


Bullseye Window Surrounds

Bullseye window surrounds are supplied in sections with an allowance for 5mm mortar joints.

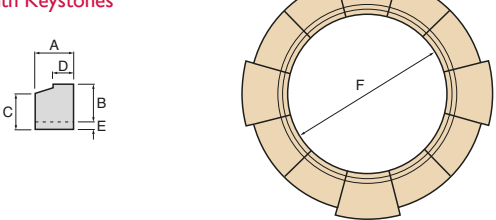
Code	A	B	C	D	F	Weight (Kg)
BU1	140	140	105	75	600	90

Bullseye Window Surround



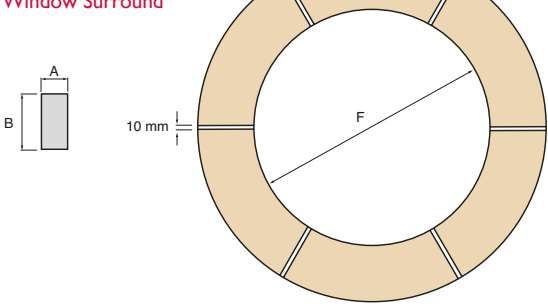
Code	A	B	C	D	E	F	Weight (Kg)
BU2	140	140	135	75	30	600	98

Bullseye Window Surround with Keystones



Code	A	B	F	Weight (Kg)
BU3	100	215	915	158
BU4	100	215	1200	198

Plain Bullseye Window Surround





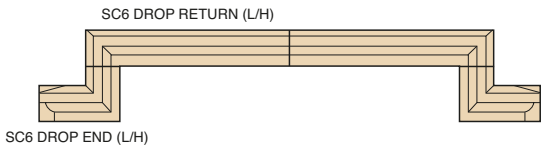
Door Surrounds

Door heads should have a support or relieving lintel with the appropriate joint between head and lintel.

Door jambs will have 100mm Stainless Steel dovetail slots at 450mm centres. These are positioned in the 100mm face adjacent to the Masonry opening.

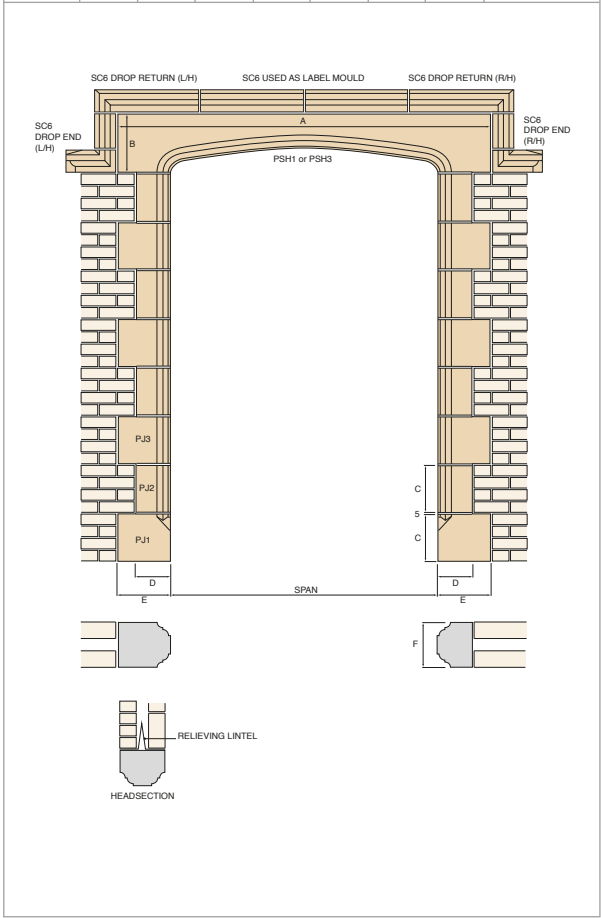
Label Mould (option)

Refer to page 7 for details



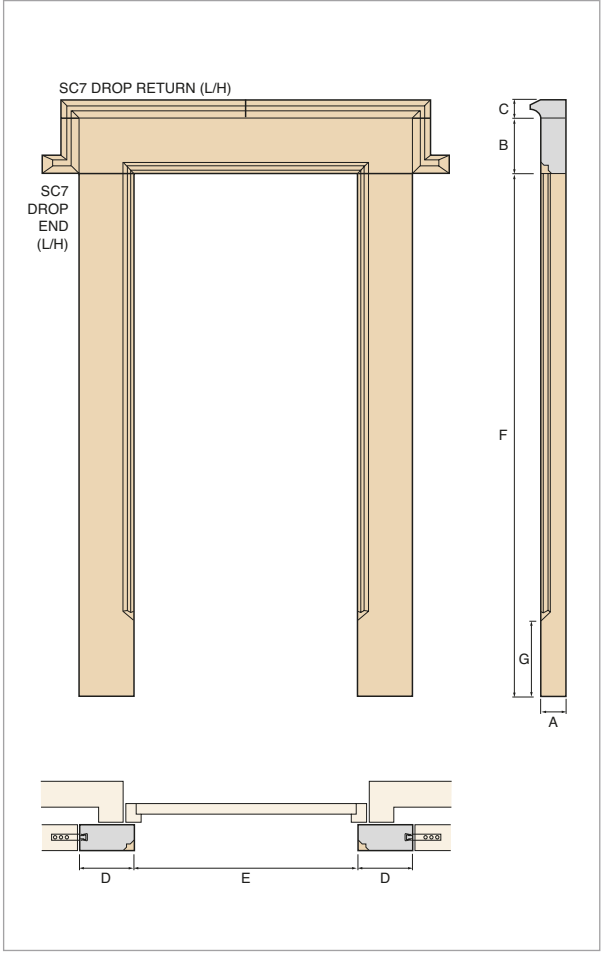
Porch Surrounds

Code	Span	A	B	C	D	E	F	Kg Per Unit
PSH1	1650	2306	365	-	-	-	-	385
PSH3	1810	2466	365	-	-	-	-	408
PJ1	-	-	-	295	-	328	280	51
PJ2	-	-	-	295	215	-	280	33
PJ3	-	-	-	295	-	328	280	51



*Decorative head to be used in conjunction with a suitable relieving lintel.

Code	A	B	C	D	E	F	G	Weight (Ln Metre)
DS1	100	215	70	215	1025	2095	300	43
DS2	100	215	70	215	1800	2095	300	43
DS3	100	215	70	215	2400	2095	300	43
SC6	158	-	140	-	-	-	-	38
SC7	140	-	70	-	-	-	-	18



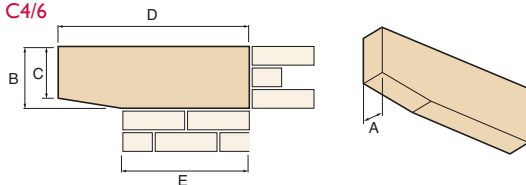
Corbels

Some corbels are handed. When ordering, please specify the hand required when viewing the gable elevation as shown in the adjacent photograph.

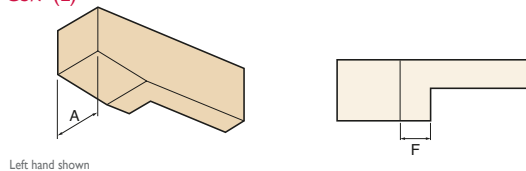
Code	A	B	C	D	E	F	Weight (Kg)
C4	100	215	180	665	445	-	29
C5	215	215	180	665	445	105	45
C6	100	140	105	665	445	-	19
C7	215	140	105	665	445	105	29

Angle Corbel

C4/6



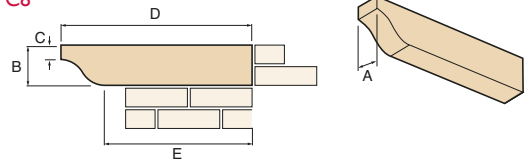
C5/7 (L)



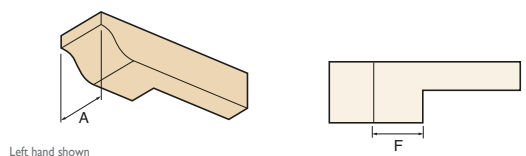
Code	A	B	C	D	E	F	Weight (Kg)
C8	100	140	50	665	515	-	18
C9	215	140	50	665	515	175	28

Ogee Corbel

C8



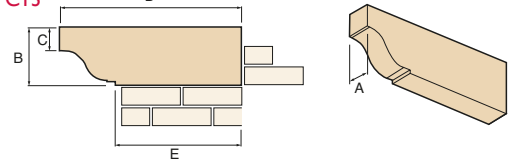
C9 (L)



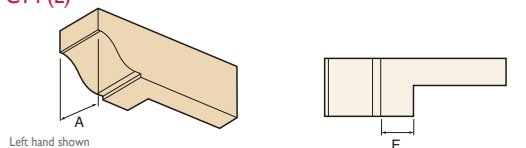
Code	A	B	C	D	E	F	Weight (Kg)
C13	100	215	90	665	460	-	27
C14	100	215	180	665	445	-	29

Moulded Corbel

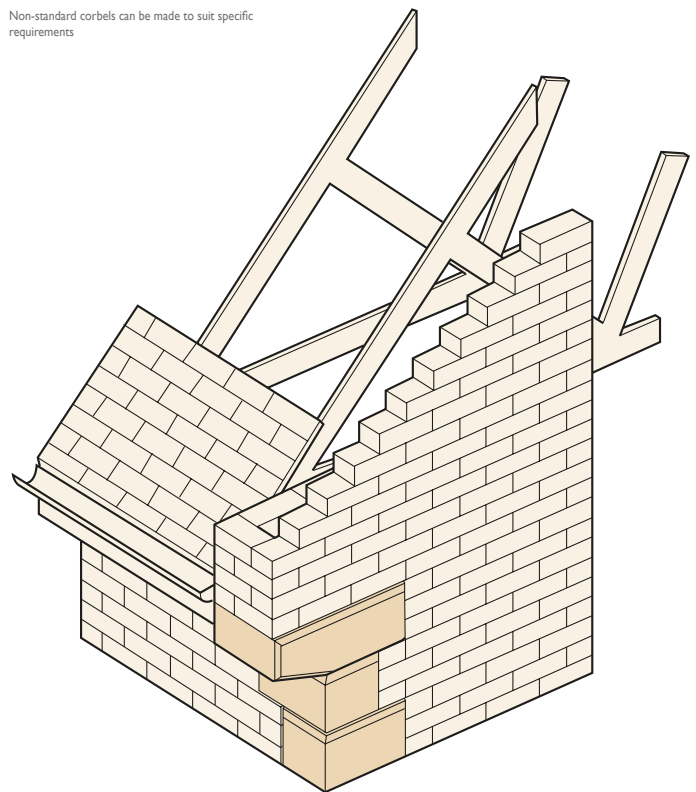
C13



C14 (L)



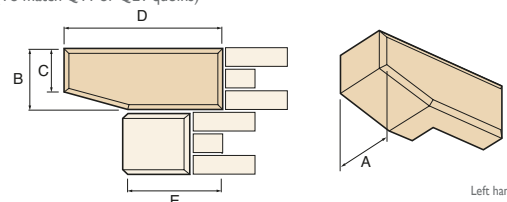
Non-standard corbels can be made to suit specific requirements



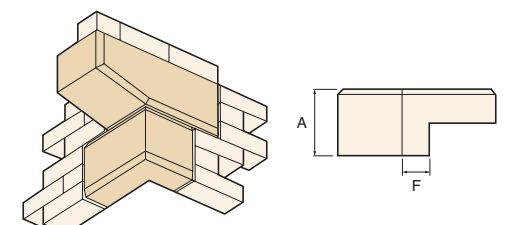
Code	A	B	C	D	E	F	Weight (Kg)
C10	233	215	153	555	330	100	43

Chamfered Corbel

(To match Q11 or Q21 quoins)



C10 (L)



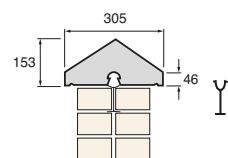


Caplock® Coping System

The Caplock® System locks together the top course of brickwork over a two metre length, forming a virtually immovable monolithic mass. This has great advantages. It adds security to parapet walls, boundary walls where vandalism may be a problem, and consequently can reduce lifetime maintenance costs. Each order is supplied with the correct amount of plastic 'locking' insert. Each component is available in wet cast or semi-dry formats, please specify the mix requirement when ordering.

Twice Weathered Caplock®

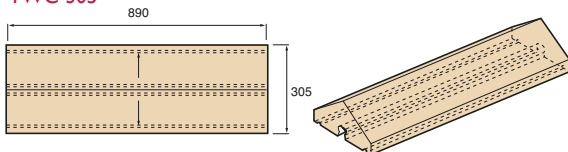
TWC-305



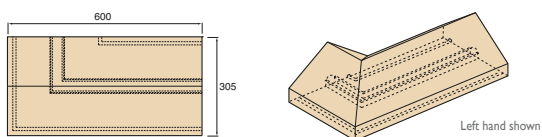
Caplock® insert foot dimension = 90mm

Code	Kg Per Unit	
	Wetcast	Semi-dry
TWC-305	66	57
TWC- L/H	44	38
TWC- R/H	44	38
TWC-STOP	44	38
TWC-FAIR	44	38
TWC-TEE	44	38

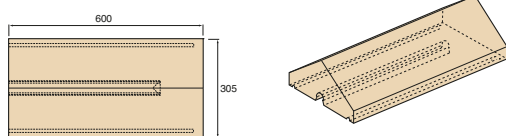
TWC-305



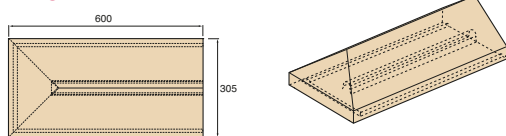
TWC-L/H R/H



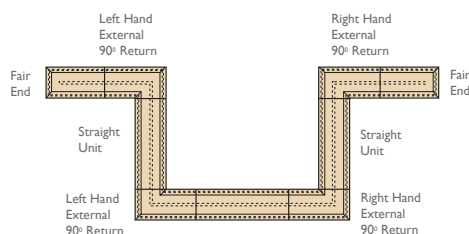
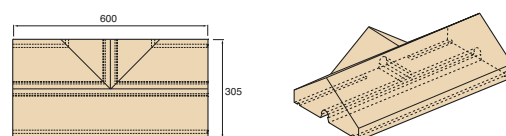
TWC-STOP



TWC-FAIR

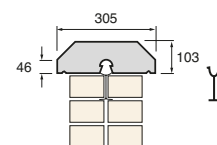


TWC-TEE



Double Cant Caplock®

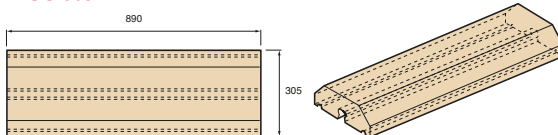
DCC-305



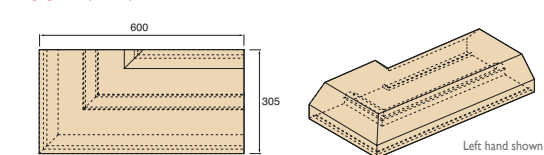
Caplock® insert foot dimension = 90mm

Code	Kg Per Unit	
	Wetcast	Semi-dry
DCC-305	61	54
DCC- L/H	41	36
DCC- R/H	41	36
DCC-STOP	41	36
DCC-FAIR	41	36
DCC-TEE	41	36

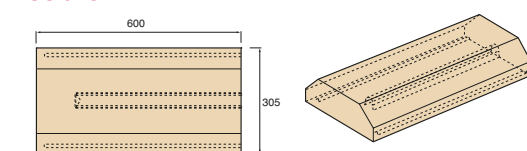
DCC-305



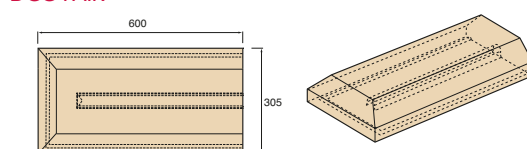
DCC-2 L/H R/H



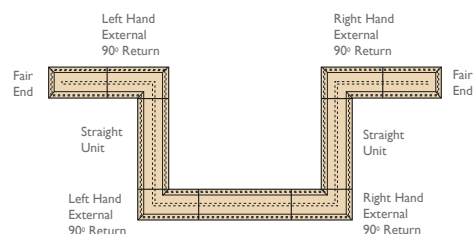
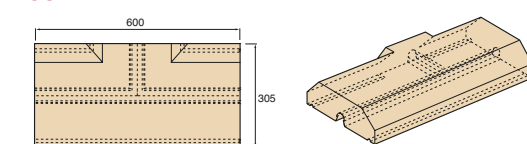
DCC-STOP



DCC-FAIR



DCC-TEE



Copings

Forticrete's Customer Service is available for parapet design and technical advice. Suggested minimum overhang: 50mm. All copings are manufactured with a drip groove.

Code	Kg Per Unit
FC200	19
FC315	29
FC400	36

Flat Copings

L/H R/H Return

T-Junction

Stop End

Left Hand Stop End, Left Hand Internal 90° Return, Right Hand Internal 90° Return, Right Hand Stop End, Straight Unit, Left Hand External 90° Return, Right Hand External 90° Return

Code	Kg Per Unit
OW200	23
OW315	37
OW400	44

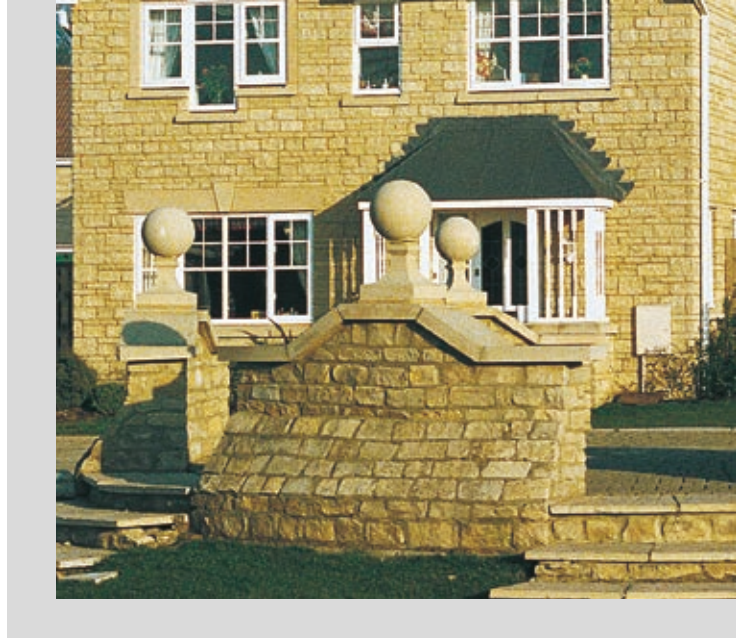
One Weathered Copings

L/H R/H External Return

L/H R/H Internal

Stop End

Left Hand Stop End, Left Hand Internal 90° Return, Right Hand Internal 90° Return, Right Hand Stop End, Straight Unit, Left Hand External 90° Return, Right Hand External 90° Return



Code	Kg Per Unit
TW200	23
TW315	37
TW400	44

Twice Weathered Copings

Universal Return

Fair End

T-Junction

Fair End, Universal Return, Universal Return Fair End, Straight Unit, Universal Return, Straight Unit, Straight Unit, Straight Unit

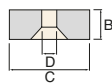
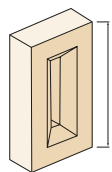


Gable Vent

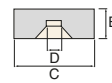
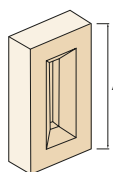
The rear of the gable vent is indented to accept a mesh barrier.

Code	A	B	C	D	Vent Area	Weight (Kg)
GV1	590	120	327	50	15,650mm ²	42
GV2	740	120	215	45	25,650mm ²	33
GF1	590	120	327	50	-	43
GF2	740	120	215	45	-	35

GV1/2



GF1/2



Name and Datestones

Code	A	B	C	Weight (Kg)
NS1	365	100	550	39
NS2	290	100	440	27
NS3	365	100	665	51

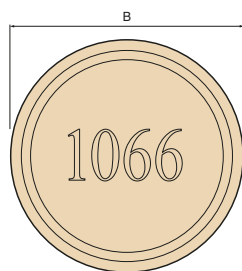


Standard letters – 65mm high (Sharp faced Gothic) Standard numerals – 125mm high (Times New Roman)

Medallion

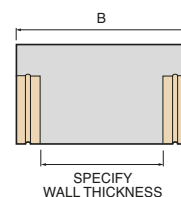
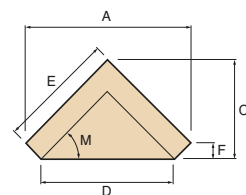
Code	A	B	C
NS5	75	580	42

The 'Medallion' name plate may be used in conjunction with the 600mm Bullseye window surround.



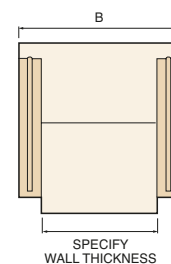
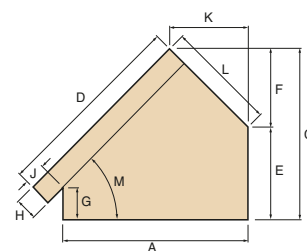
Apex

Code	A	B	C	D	E	F	M
AS1	338	380	116	300	183	46	22.5
AS2	350	380	144	300	202	43	30
AS3	371	380	221	300	262	35	45



Kneelers

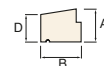
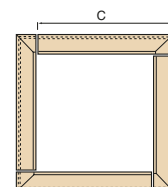
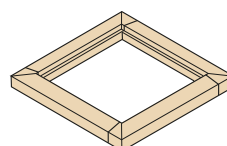
Code	A	B	C	D	E	F	G	H	J	K	L	M
KB1	328	380	247	378	140	107	75	50	50	44	116	22.5
KB2	440	380	344	501	215	129	75	50	50	74	149	30
KB3	440	380	400	460	215	185	75	50	50	185	262	45



Chimney Coping

Code	A	B	C	D	Weight (Kg)
CPI	120	150	1000	100	132

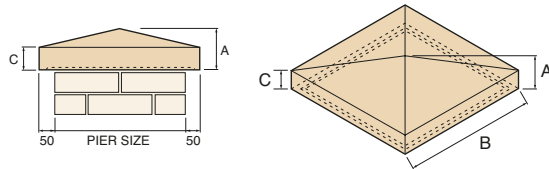
CPI



Pier Caps

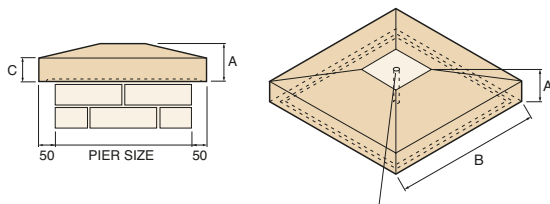
Code	A	B	C	Pier Size	Weight (Kg)
PC1	125	315	75	215 x 215	19
PC2	125	425	75	327 x 327	35
PC3	140	540	75	440 x 440	59
PC4	140	650	75	552 x 552	86
PC5	140	765	75	665 x 665	119

Apex Pier Caps



Code	A	B	C	Pier Size	Weight (Kg)
PD1	106	315	75	215 x 215	18
PD2	111	425	75	327 x 327	32
PD3	122	540	75	440 x 440	57
PD4	125	650	75	552 x 552	84
PD5	127	765	75	665 x 665	117

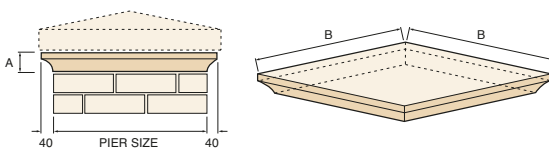
Cored Pier Caps



Stooled to suit sphere base

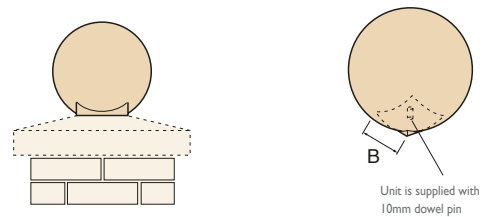
Code	Use with cap ref	A	B	Pier Size	Weight (Kg)
PB 3	PC3/PD3	70	520	440 x 440	39
PB 4	PC4/PD4	70	632	552 x 552	58
PB 5	PC5/PD5	70	745	665 x 665	80

Pier Caps Base



Spheres

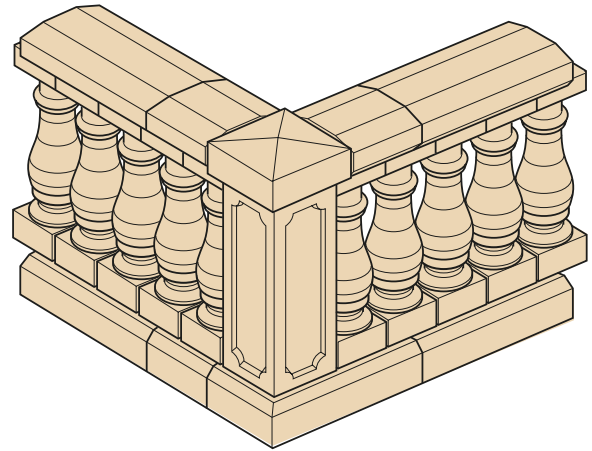
Code	DIM B	Diameter	Use with cap ref	Weight (Kg)
S1	120	228	PD1, PD2	14
S2	150	305	PD3, PD4, PD5	32
S3	150	380	PD3, PD4, PD5	61





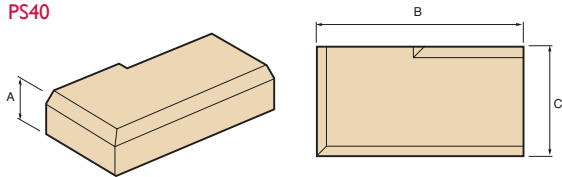
Balustrades

Forticrete's Balustrade system comprises a combination of precision components to enable you to create balustrades to meet your specific requirements.



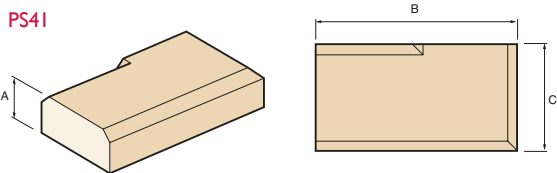
Code	A	B	C	Weight (Kg)
PS40	150	665	350	71

PS40



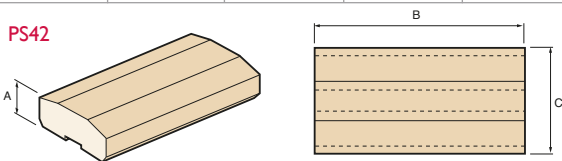
Code	A	B	C	Weight (Kg)
PS40	150	665	350	71

PS41



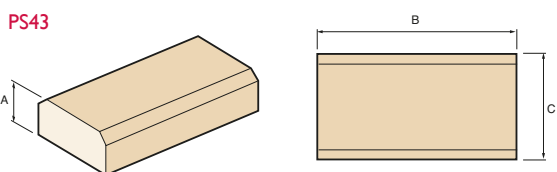
Code	A	B	C	Weight (Kg)
PS40	150	665	350	56

PS42



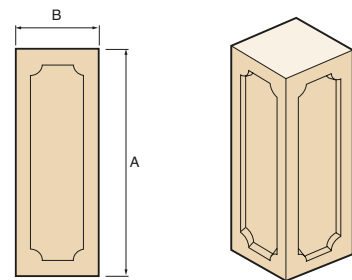
Code	A	B	C	Weight (Kg)
PS40	150	665	350	71

PS43



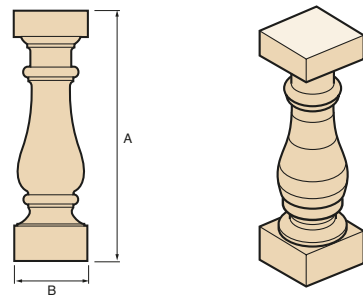
Code	A	B	Weight (Kg)
PS28	750	275	103

PS28



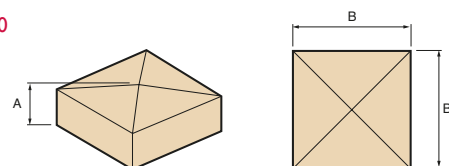
Code	A	B	Weight (Kg)
PS29	750	215	40

PS29



Code	A	B	Weight (Kg)
PS30	150	350	34

PS30



Standard Portico Kits

Forticrete can offer six standard Porticos; these are in three widths as shown in the table. Porticos 1 to 3 are without balustrades. It is only necessary for you to specify:

1. Portico number (type)
2. Dimension 'D'
3. The colour

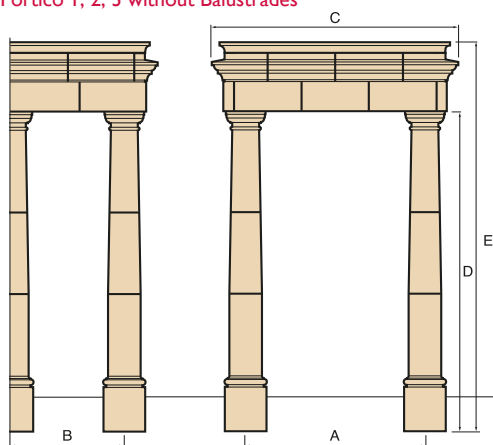
The portico will be supplied shrink-wrapped on pallets and will contain all the necessary components. A full set of constructional and component drawings will be provided on receipt of your order.

The inside face of the structural ring beam has a series of threaded sockets along its length allowing you to install your own choice of decking or roof to the enclosed portico area.

All Portico kits allow for side wheelchair access.

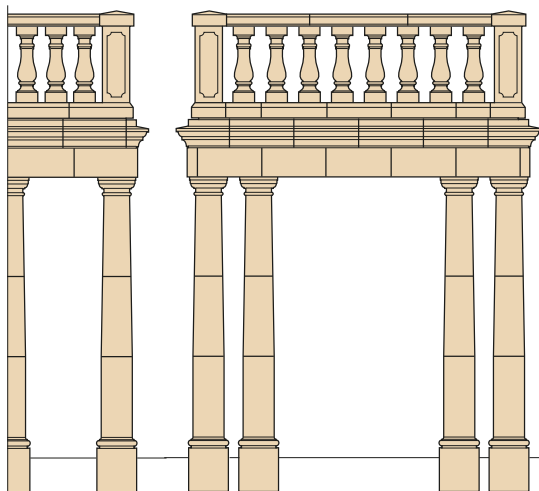
Code	A	B	C	D (Max)	E (Max)
Portico Kit 1w	1730	1735	2390	3180	3855
Portico Kit 1w+HC	1730	1735	2390	3180	3855
Portico Kit 2w	2380	1735	3040	3180	3855
Portico Kit 2w+HC	2380	1735	3040	3180	3855
Portico Kit 3w	3030	1735	3690	3180	3855
Portico Kit 3w+HC	3030	1735	3690	3180	3855

Portico 1, 2, 3 without Balustrades



Note: Porticos 1 and 2 have 2 columns. Portico 3 has 4 columns.
 'w' Refers to wheelchair access. 'HC' refers to half columns.

Portico with Balustrades



Please refer to Forticrete for advice



Standard Column Components

All standard Column Components are supplied with fixings.

Code	A	B	C	Weight (Kg)
PS6	382	280	180	36

Capitol

Code	A	B	C	Weight (Kg)
PS5	260	285	800	98
PS4	285	310	800	117
PS3	310	310	*	127

Column

*Height can be adjusted from a maximum of 800mm

Code	A	B	C	Weight (Kg)
PS2	310	400	100	22

Column Base

Code	A	C	Weight (Kg)
PS1	400	*	148

Pedestal

*Height can be adjusted from a maximum of 440mm

Forticrete[®] stone



Anstone[®] and Shearstone[®] walling stone



Recreate the appeal of natural stone walling with confidence.

With the appearance and weathering qualities that are almost indistinguishable from natural stone, the popular finishes - split, pitched and cottage are available in colours specifically designed for regions throughout the UK.

For sales enquiries please contact our Anstone office on **01909 775000**
Email us at walling@forticrete.com
or visit www.forticrete.co.uk

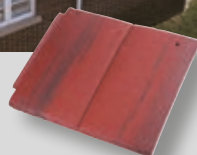


Walling stone

Forticrete[®] roofing



Roofing products



Replicating natural materials cost-effectively with innovative roof tiles and slates.

With many environmental and practical benefits, Gemini, Hardrow Stone Slates, Minislate, and the low pitch Centurion 10 tile offer a roofing solution for everyone. A full range of complementary dry fix and ventilation systems are available.

For sales enquiries please contact our Leighton Buzzard office on **01525 244900**
Email us at roofing@forticrete.com
or visit www.forticrete.co.uk



Roofing

Forticrete[®] masonry



Linear

Elegant, colourful and wonderfully long concrete bricks.

A multitude of colours together with textures ranging from simple textured to highly polished - the Linear range has been created to give architects the flexibility to create distinctive exteriors.

For sales enquiries please contact our Anstone office on **01909 775000**
Email us at masonry@forticrete.com
or visit www.forticrete.co.uk



Linear



Product samples

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These are readily available via our Anstone office by calling **01909 775000** or the sample request area of our website – www.forticrete.co.uk

For larger projects, sample panels can be provided.

Cast Stone enquiries:

Forticrete Limited,
Anstone, Kiveton Park Station,
Kiveton Park,
Sheffield
S26 6NP

Tel: 01909 775000

Fax: 01909 773549

E-mail: caststone@forticrete.com

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