FloPlast

building the future

PVC-UE Roofline, Window & Cladding Systems

PVC-UE Roofline, Window & Cladding Systems | Rainwater Systems | Soil & Waste Systems | Underground Drainage Systems | MDPE Systems | Hot & Cold Plumbing Systems

FloPlast

HIGH QUALITY PVC-UE ROOFLINE, WINDOW AND CLADDING SYSTEMS

FloPlast, a name synonymous with high quality PVC-U roofline products for new build and home improvement projects, with its wide range of rainwater systems, cellular foam and rigid PVC-UE building profiles.

It's well - established BSI kitemarked Rainwater Systems, Half Round, Square Line and Miniflo are complemented with the choice of three high capacity systems:-

- ***Niagara***®, a traditional ogee style profile - probably the highest capacity domestic PVC-U Rainwater System on the market.
- **Hi-Cap**, a semi-elliptical profile with a high capacity suitable for large roof areas.
- ***Xtraflo***, a 170mm semi-elliptical System, for large Commercial/Industrial buildings, which links to a 110mm downpipe system.

A comprehensive selection of co-extruded cellular foam and rigid PVC-U building profiles completes the **FloPlast** range of Roofline products.

FloPlast Roofline, Window and Cladding extrusions are manufactured on state of the art machinery and extrusion dies at the group's Cork plant, which has over 40 years extrusion experience behind it.

For CE DOP's (Declaration of Performance), please refer to our website at www.floplast.co.uk.

FloPlast quality management system has been assessed and registered by British Standards as meeting the requirements of:

BS EN ISO 9001:2008
(Certificate number FM 501414)

BS EN ISO 14001:2004
(Certificate number EMS 538445)

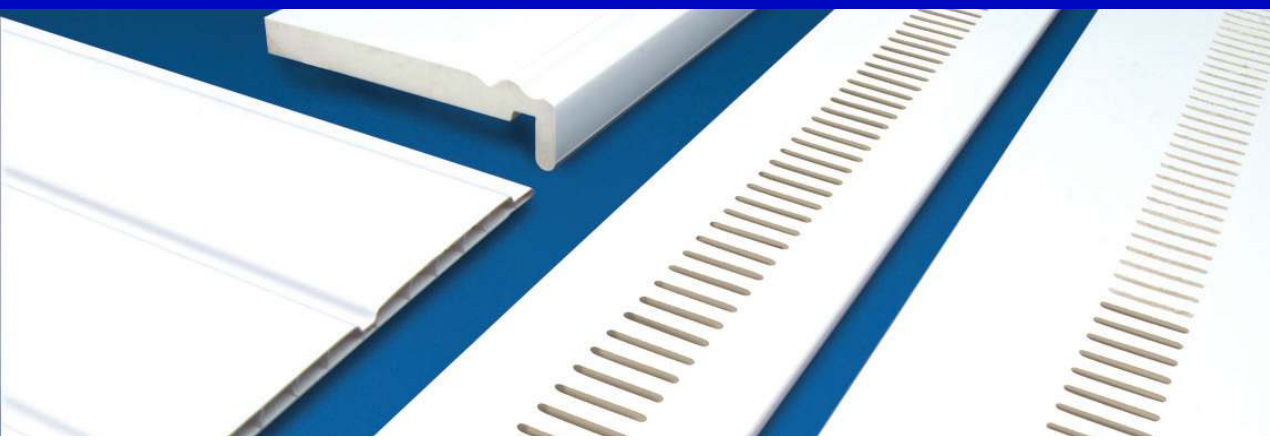
BS EN OHSAS 18001:2007
(Certificate number EMS 593622)

Both the Roof Trim and Cladding Systems have been assessed and achieved Agrément Certification as follows:-

BBA BRITISH BOARD OF AGREMENT CERTIFICATE No.00/3771

BBA BRITISH BOARD OF AGREMENT CERTIFICATE No. 00/3772

FEATURES



FloPlast boards offer a complete maintenance free solution to both Roofline and Window Systems construction. The tough impermeable outer skin of **FloPlast** foam boards provides year round protection from both the weather and insect infestation.

Other features include:-

Maintenance

Will not rot, warp, crack or erode.
They do not require painting or any other protective treatment.

Weather resistance

The impermeable outer skin and closed-cell composition of the boards are unaffected by moisture and will not rot or corrode.

Fire resistance

They do not burn freely and out perform timber in fire. The materials are not easily ignitable and have a Class 1 fire rating in accordance with BS476 : Part 7 1997.

Durability

The combined cellular core and Co-extruded PVC-U surface skin ensure high durability in all conditions.

Thermal efficiency

Good insulating properties, improves overall thermal insulation of composite wall construction.

Compatibility

No chemical reaction with other common building materials.

Workable

Cutting, drilling, nailing and shaping are easily achieved.

Finish

High gloss finish with blemish free surface.

Guarantee

FloPlast Co-extruded White Cellular and Woodgrain PVC-UE boards come with a ten year product guarantee in respect of performance and significant discolouration. The guarantee is subject to registration of the installation. Full details of the guarantee are available upon request.

Please register all installations online -
www.floplast.co.uk

ROOFLINE & WINDOW SYSTEMS

Fascia, Soffit, Bargeboard and Trims

FloPlast offer a range of Fascia Boards for use in both new build work, total replacement or refurbishment by covering existing timber. The range of fascia profiles comprise:-

- A traditional 9mm **Universal Board** which requires a backing board.
- An **Ogee Fascia Board** which offers an attractively designed alternative to the Universal Board.
- An 18mm **Mammoth Board** which does not require a backing board to support it, because of its rigid linear strength, and thickness.
  This makes it extremely suitable for total replacement and new build applications when it is fixed directly to the rafter ends.
- **Ogee Mammoth Board** which again offers the attractive alternative to the plain mammoth board.
- A 9mm **Hockey Board** that can be used as an internal window board or with a backing board as a fascia system.
- A 16mm **Mammoth Bullnose Board** that offers the option for direct to wall fascias (i.e. no soffit , garages etc...), or can be used as a gutter board with open eaves detail.

A range of matching PVC-U mouldings caters for all joints and corners.

Soffits can be formed using a number of options:-

- **Multi-Purpose Board** up to a width of 404mm combined with **Soffit Vent Strip or Circular Disc Ventilators.**
- **Pre-vented Soffit Board** with air slots to provide ventilation to a 10mm or 25mm wide clear air gap, which conform to current building regulations.
- **Cladded Soffit** using the 150mm **Shiplap Cladding** or 100mm **V Joint Cladding** to give an attractive ribbed effect.
- **Rigid PVC-U Hollow Soffit** in 100mm and 300mm widths provide a cost competitive and effective alternative to cellular boards.

PRODUCT GUIDE

PRODUCT	CODE	SIZE(mm)
9mm Universal Board	Suitable as fascia (refurbishment - install over timber support), window board or reveal liner.	
Double Leg	U350	350
	U450	450
Single Leg	U150	150
	U175	175
	U200	200
	U225	225
	U250	250
	U275	275
	U300	300
9mm Square Edge Universal Board	Suitable as fascia (refurbishment - install over timber support), window board or reveal liner.	
Double Leg	L400	400
Single Leg	L150	150
	L175	175
	L200	200
	L225	225
	L250	250
9mm Hockey Window Board	Suitable as fascia (refurbishment - install over timber support),	
Double Leg	K400	400
Single Leg	K150	150
	K175	175
	K200	200
	K225	225
	K250	250

All boards and trims are manufactured in 5 metre lengths.

PRODUCT	CODE	SIZE(mm)
18mm Mammoth Board	Suitable as fascia (replacement/ new build - install direct to rafters), window board or reveal liner.	
Double Leg	M404	404
Single Leg	M150	150
	M175	175
	M200	200
	M225	225
	M250	250
	M300	300
18mm Ogee Mammoth Board	Suitable as fascia (replacement/ new build - install direct to rafters).	
Double Leg	G454	454
Single Leg	G150	150
	G175	175
	G200	200
	G225	225
	G250	250
	G300	300
16mm Mammoth Bullnose Board	Suitable as fascia (replacement/ new build - install direct to rafters).	
Double Round Edge	B400	400
Single Round Edge	B150	150
	B175	175
	B200	200
	B225	225
	B250	250
10mm Ogee Fascia Board	Suitable as fascia (refurbishment - install over timber support).	
Double Leg	0404	404
Single Leg	0150	150
	0175	175
	0200	200
	0225	225
	0250	250

PRODUCT	CODE	SIZE(mm)
10mm Multi-Purpose Board		
Double Round Edge	S304	304
	S404	404
	S600	600
Single Round Edge	S100	100
	S150	150
	S175	175
	S200	200
	S225	225
	S250	250
(S500 and S600 - 9mm)	S500	500
Hollow Soffit/Trims	To be used as a soffit only.	
Hollow Soffit	H100	100
	H300	300
Hollow Soffit Trims	HJ	'J'
	HH	'H'
	HF	'F'
Vented Board - 10mm		
Vented Soffit (Equivalent to 10mm² airflow)	V100	100
	V150	150
	V175	175
	V200	200
	V225	225
	V250	250
	V304	304
	V404	404
	V500	500
	V600	600
Double Vented Soffit (Equivalent to 25mm² airflow)	DV175	175
	DV200	200
	DV250	250
	DV304	304
	DV404	404
Vented soffit with a double row of vents is available to special order.		
Box End Board (1.25m Lengths)		
Universal Board	UB450	450
Mammoth Board	MB404	404
Mammoth Ogee Board	GB454	454

ROOFLINE & WINDOW SYSTEMS

Golden Oak (WG)

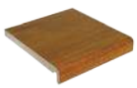
Black Ash (WB)

Rosewood (WR)

When ordering please add colour reference to code required, e.g. U150 WG

Woodgrain PVC-UE Roofline & Window Systems

Suitable as fascia (refurbishment - install over timber support), window board or reveal liner.

PRODUCT	CODE	SIZE(mm)
9mm Universal Board	U150	150
	U175	175
	U200	200
	U225	225
	U250	250
	U300	300
Double Leg	U450	450
18mm Mammoth Board 	M150	150
	M175	175
	M200	200
	M225	225
	M250	250
Double Leg	M404	404
10mm Multi-Purpose Board	S100	100
	S150	150
	S175	175
	S200	200
	S225	225
	S250	250
	S304	304
	S404	404
Hollow Soffit	H300	300
Hollow Soffit trims	HJ	'J'
	HH	'H'
	HF	'F'
Vented Soffit (Equivalent to 10mm² airflow)	V150	150
	V175	175
	V200	200
	V225	225
	V250	250
	V304	304
	V404	404
Double Vented Soffit (Equivalent to 25mm² airflow) Vented soffit with a double row of vents is available to special order.	DV175	175
	DV200	200
	DV250	250
	DV304	304
	DV404	404
Box End Board (1.25 metre lengths)		
Universal Board	UB450	450
Mammoth Board	MB404	404
(All boards and trims are manufactured in 5 metre lengths).		

ROOFLINE TRIMS & FIXINGS

Golden Oak (WG)

Black Ash (WB)

Rosewood (WR)

When ordering please add colour reference to code required, e.g. RT20 WG

Woodgrain PVC-UE Roofline System Trims & Fixings

PRODUCT	CODE	SIZE(mm)
In-Line joints	RT1	300x 42 Leg
	RT2*	500x 35 Leg
* Double ended joint - cut to 2 sizes as required. To be used with Mammoth Board.		
Corner joints	RT4	300x 42 Leg
	RT5*	500x 35 Leg
* Double ended corner - cut to 2 sizes as required. To be used with Mammoth Board.		
Internal corner	RT7	300x 42 Leg
In-Line jointing trim	RT20	
Finial	RT23	340
FloTop pins	FP30 FP40	30 40
Brown (BR) Black (B) Caramel (C)		
FloTop nails	FN50 FN65	50 65

White Roofline System Trims & Fixings

PRODUCT	CODE	SIZE(mm)
In-Line Joints	RT1	300x42 Leg
	RT2*	500x35 Leg
	RT3#	500x42 Leg
* Double ended joint - cut to 2 sizes as required. To be used with Mammoth Board.		
# Double ended joint - cut to 2 sizes as required. To be used with Universal Board.		
Corner Joints	RT4	300x42 Leg
	RT5*	500x35 Leg
	RT6#	500x42 Leg
	RT7 Internal corner	300x42 Leg
	RT10 External corner 135°	300x42 Leg
* Double ended corner - cut to 2 sizes as required. To be used with Mammoth Board.		
# Double ended corner - cut to 2 sizes as required. To be used with Universal Board.		
Ogee In-Line Joints	RT11	300x50
	RT12*	500x50
*Double ended ogee joint - cut to 2 sizes as required.		
Ogee Corner Joints	RT14	300x 50x50
	RT15*	500x 50x50
	RT17 Ogee Internal Corner	300x 42 leg
*Double ended ogee corner - cut to 2 sizes as required.		

PRODUCT	CODE	SIZE(mm)
Ogee Box End cover	RT19	404x60
In-Line Jointing trim	RT20	
Edge Capping trim	RT21	
Hockey Board in-line joint	RT8	300
Hockey Board corner joint	RT9	300
Bargeboard Moulding trim	RT22	500
Finials	RT23 RT29	340 900
Soffit Ventilator	RT24	
Disc Soffit Ventilator	RT25	
Soffit Ventilator with mesh	RT27	
FloTop pins	FP30 FP40	30 40
FloTop nails	FN50 FN65	50 65

WINDOW SYSTEM TRIMS

The **FloPlast** range of Fascia and Soffits, when used in conjunction with the window system trims of quadrants, skirtings and architraves, provide the means to achieve a high quality dry fix finish to window openings and rooms.

Our flat back 6mm pencil round range of architraves produce an aesthetically pleasing finish to your room. The product is suitable for internal and external use. It is traditionally used for skirting, covering broken plaster around windows and for joints around door linings.

Flexible angles 25mm, 35mm and 75mm wide, have a nitrile modified PVC joint and are suitable as a cover trim for bay window mullions.

During installation it is important that the products in the **Window System Trims** are fixed to a dry and sound substrate. Ensure that the profiles are mitred for external corners and scribe and cut for internal corners. All joints should be fixed using a suitable adhesive or silicone sealant.

Cellular PVC-UE has a thermal expansion similar to rigid PVC, so if secured correctly there should be no relative movement of individual profiles.

When used in accordance with the manufacturers instructions neoprene/rubber solutions, silicone sealant and anaerobic adhesives are suitable for the fixing of cellular PVC-UE trims.

FloTop Stainless Steel plastic headed nails provide a maintenance free fixing in some applications.

PRODUCT GUIDE

Window System Trims

PRODUCT	CODE	SIZE(mm)
Architrave-Pencil round	WT1 WT2 WT3	45x6 65x6 95x6
D Section	WT4	28x6
Edge Fillet	WT5	20
Quadrant	WT6 WT7	12 19
Square	WT8	15x13
Board End Mouldings	WT14 WT15	42x50 42x315
Hockey Board end moulding	WT16	300
Window Board channel	RT21	10x5
Angle	WT30	100x80 90° Hollow
	WT31	25x25 90° Rigid
	WT32	50x50 90° Rigid
	WT36	25x25 Flexi
	WT37	35x35 Flexi
	WT38	75x75 Flexi

Golden Oak (WG)

Black Ash (WB)

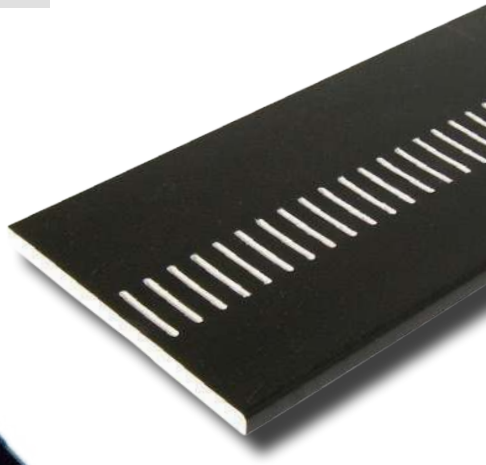
Rosewood (WR)

When ordering please add colour reference to code required, e.g. WT1WG

Woodgrain PVC-UE Window System Trims

PRODUCT	CODE	SIZE(mm)
Architrave-Pencil round	WT1	45x6
	WT2	65x6
	WT3	95x6
D-Section	WT4	28x6
Edge Fillet	WT5	20
Quadrant	WT6	12
	WT7	19
Square	WT8	15x13

PRODUCT	CODE	SIZE(mm)
Board End Moulding	WT14	42x50
	WT15	42x315
Angle	WT30	100x80 90° Hollow
	WT31	25x25 90° Rigid
	WT32	50x50 90° Rigid
	WT36	25x25 Flexi
	WT37	35x35 Flexi



EAVES BOX END

The versatility and range of **FloPlast** profiles and accessories allows an extensive choice of detail and appearance when dealing with box ends. The illustrations detailed show some of the industry standard arrangements. Provision should be made for supporting all free edges of the box ends and box end returns as well as soffit boards. Treated softwood battens, securely fixed or tied back to the main structure, will provide a suitable means of support.

Box End Detail 1: Ogee Board fascia, and bargeboard cut from a section of fascia.

- The box end is usually deeper than the normal fascia run, because of this we offer our 454mm Universal and 404mm Mammoth boards in 1.25 mtr lengths.
- Use corner joints at the front and the back of the box end, and close the back of the box with a section of fascia (if this is deeper than the fascia, use the material supplied for the box end section) this should be slightly deeper than the measured height so that there is no gap between it and the bargeboard soffit.
- Cut the rear corner joint to suit.
- Where the back of the box end exceeds 300mm use the double ended 500mm Corner joint.
- Mitre the soffit at 45° and the soffit joint trim (RT20) at both ends.

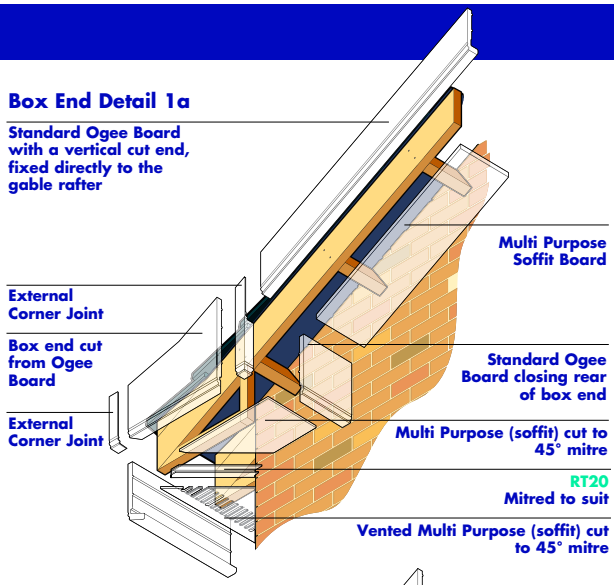
Box End Detail 2: Mammoth Board fascia, bargeboard, and box end cut from a section of fascia.

- The box end is usually deeper than the normal fascia run, because of this, we offer our 454mm Universal and 404mm Mammoth boards in 1.25 mtr lengths.
- Use corner joints at the front and the back of the box end, and close the back of the box with a section of fascia (if this is deeper than the fascia, use the material supplied for the box end section) this should be slightly deeper than the measured height so that there is no gap between it and the bargeboard soffit.
- Cut the rear corner joint to suit.
- Where the back of the box end exceeds 300mm use the double ended 500mm Corner joint.
- The soffit is extended into the box end by butt jointing Multi Purpose Board cut to suit.

Box End Detail 3: Mammoth Board fascia, bargeboard, and box end cut from a section of fascia.

- The box end is usually deeper than the normal fascia run, because of this we offer our 454mm Universal and 404mm Mammoth boards in 1.25 mtr lengths.
- Use corner joints at the front and the back of the box end, and an In-line Joint between the bargeboard and the box end section. Close the back of the box with a section of fascia (if this is deeper than the fascia, use the material supplied for the box end section) this should be slightly deeper than the measured height so that there is no gap between it and the bargeboard soffit.
- Cut and mitre the rear corner joint to suit.
- Where the back of the box end exceeds 300mm use the double ended 500mm Corner joint.
- Mitre the soffit at 45° and the soffit joint trim (RT20) at both ends.

Box End Detail 1a



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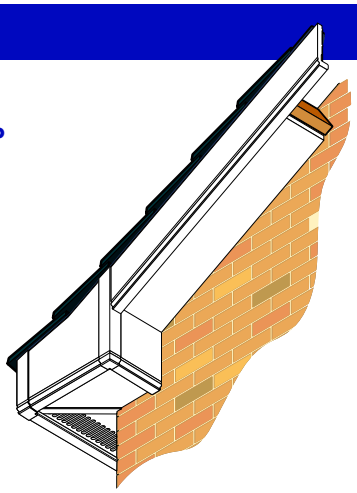
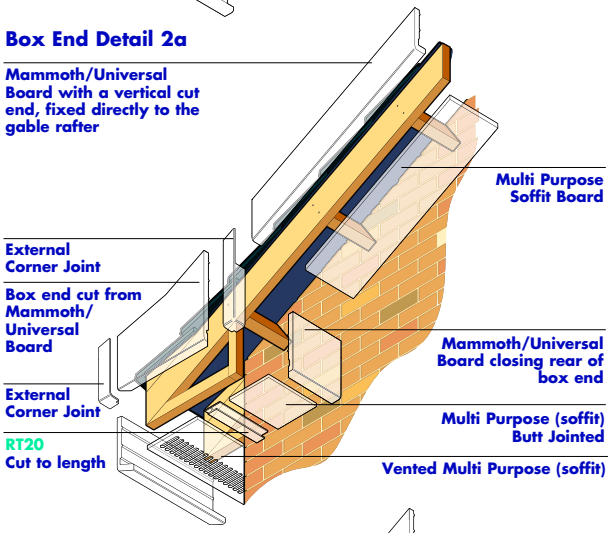


Box End Detail 2a



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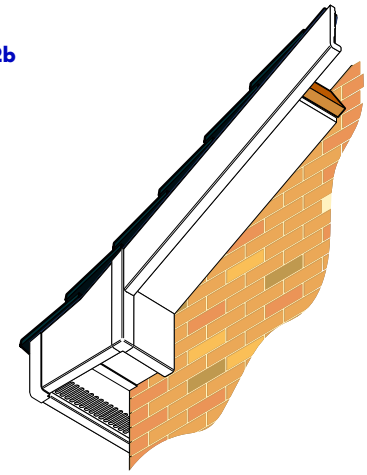
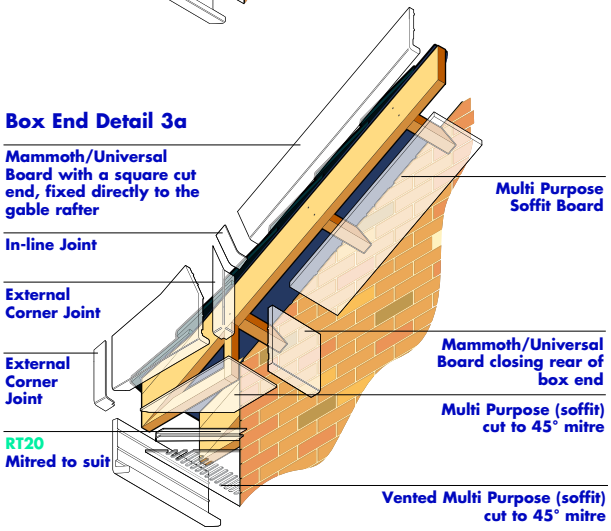


Box End Detail 3a



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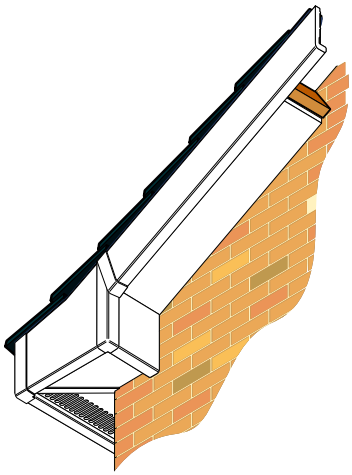


EAVES BOX END AND DECORATIVE BARGEBOARD

Box End Detail 4: Mammoth Board fascia, bargeboard, and box end cut from a section of fascia.

- The box end is usually deeper than the normal fascia run, because of this we offer our 454mm Universal and 404mm Mammoth boards in 1.25 mtr lengths.
- Use corner joints at the front of the box end, a Board End Moulding to finish the rear edge of the box end, and an In-Line Joint between the bargeboard and the box end section.
- Close the back of the box with a section of fascia (if this is deeper than the fascia, use the material supplied for the box end section) this should be slightly deeper than the measured height so that there is no gap between it and the bargeboard soffit.

Box End Detail 5: Bargeboard extending to meet the fascia.

- A triangular fillet cut from a suitable piece of **FloPlast** board is set above the bargeboard, and fixed with FloTop nails to the tilt fillet on the gable rafter, another fillet, with either the return leg intact or removed, is fixed with FloTop nails to timber framing supported by the gable ladder, if the return leg is removed the bottom cut edge is protected by attaching a Board End Moulding. The triangular off cuts may be closely butt jointed and finished with low modulus silicone to the top and bottom edges of the bargeboard.
- Use corner joints at the front and the back of the box end cut to suit.
- Close the back of the box with a section of fascia (if this is deeper than the fascia, use the material supplied for the box end section) this should be slightly deeper than the measured height so that there is no gap between it and the bargeboard soffit.

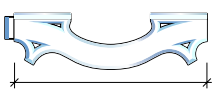
FloPlast Decorative Bargeboard Moulding

The **FloPlast** Decorative Bargeboard Moulding offers style and character to most roofline installations. Once installed, it will require very little maintenance, as it will not rot, warp or require painting.

A variety of patterns can be achieved at the bargeboard apex, and two suggested examples are shown below. A finial joint is now available to add that extra touch of elegance to your home.

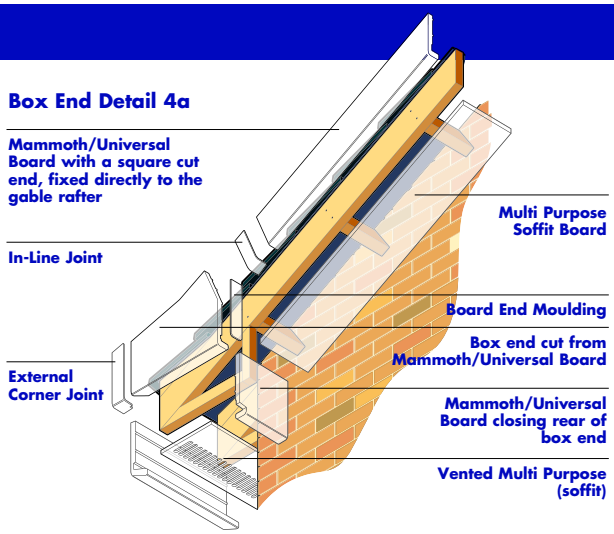
Decorative Moulding Installation

Measure the length of your bargeboard and calculate how many mouldings are required at 500mm per moulding, making an allowance for design and plumb cuts at the ridge and barge ends.



Cut to size and screw using four 15mm x 6 self tapping screws, to the underside of the existing **FloPlast** PVC-UE bargeboard. Seal the joint between the moulding and bargeboard with either a low modulus silicone, or an appropriate adhesive.

Box End Detail 4a



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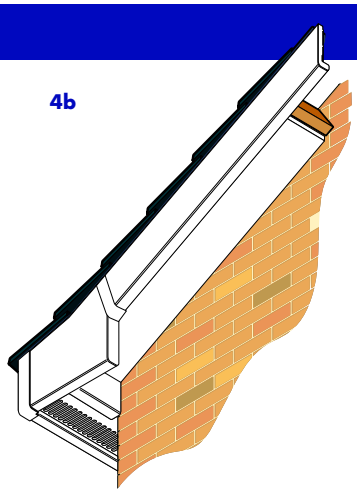
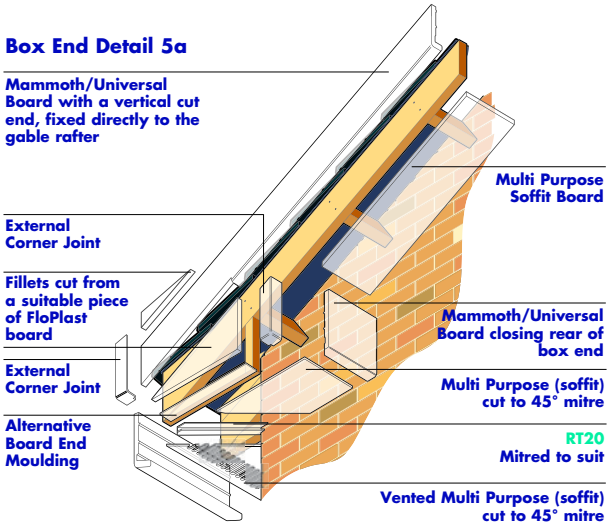


Box End Detail 5a



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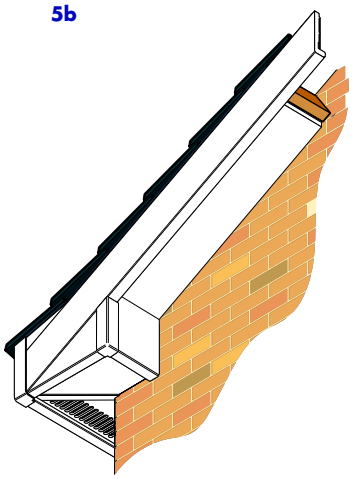
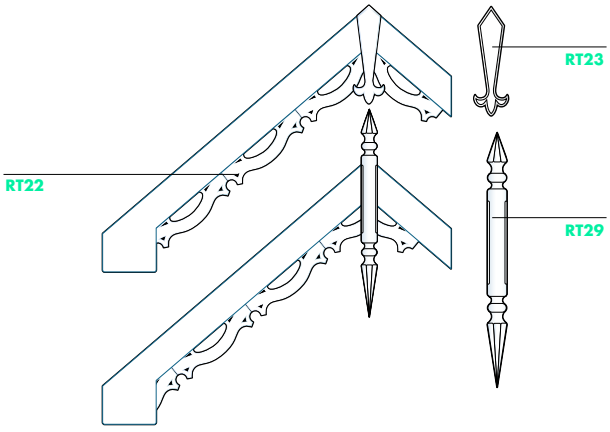
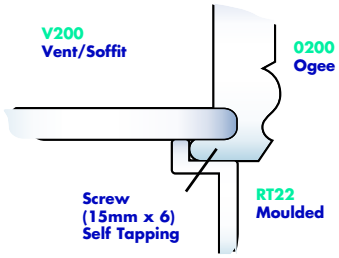


Decorative Bargeboard Moulding





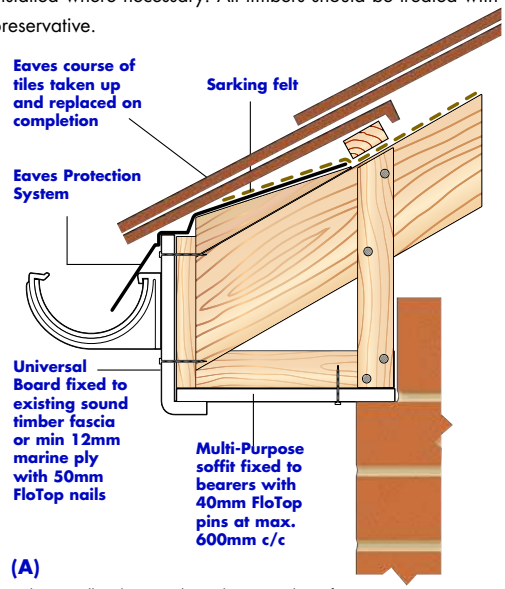
INSTALLATION DETAILS

Refurbishment

(A) Universal/Ogee Board and Multi-Purpose Soffit

The Fascia should have a suitable existing or new backboard. The universal/ogee board should be fixed so that the weight of the eaves course of tiles is distributed across the backboard and/or tilt fillets.

The soffit board should be supported on bearers at the foot of every rafter and be securely supported at each end. A preferred method is to support them by battens nailed or screwed to the rafters as shown in the diagrams. The bearers should be checked for line and level and suitable packing installed where necessary. All timbers should be treated with preservative.



(A)

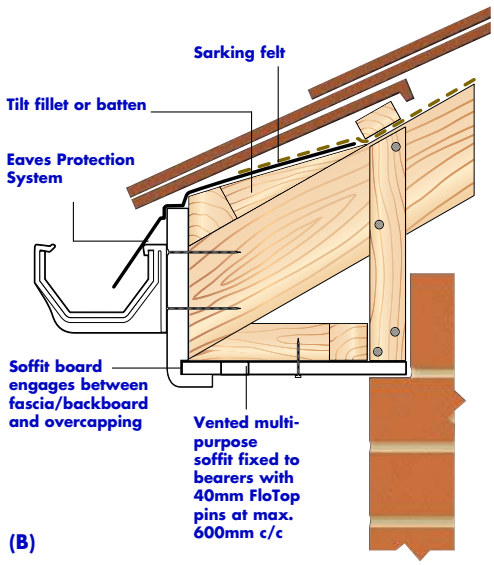
When installing laminated woodgrain products, fixing centres should be reduced to a maximum of 400mm.

New Build Replacement

(B) Mammoth Board and Vented Soffit

When Mammoth Fascia is specified the roof covering should be supported by adequate means at the rafter ends. This can be by means of a tilt fillet, lay board or a shaped batten which extends the full length of the roof line. A lay board is particularly desirable in the case of pitches less than 30° as it will prevent any sagging of the Sarking felt.

Vented soffit boards are available in a range of sizes when roof ventilation via the soffit is specified. The boards fit into the groove of the Mammoth Board and should be fixed to suitable soffit bearers.



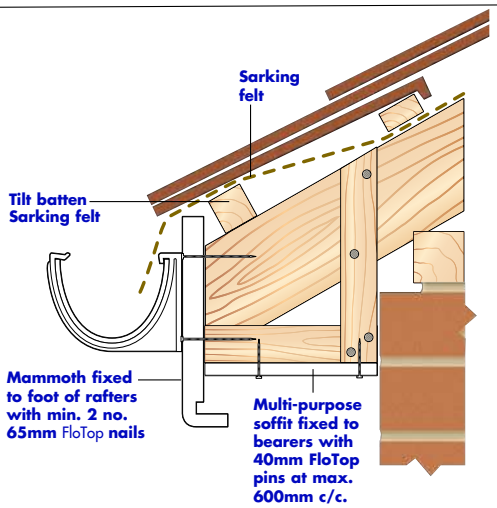
(B)

When installing laminated woodgrain products, fixing centres should be reduced to a maximum of 400mm.

New Build Replacement

(C) Mammoth Board and Multi-Purpose Soffit

It is not always necessary for the soffit to fit into the groove at the back of the Mammoth board. Diagram (c) shows a deeper Mammoth fascia, which has been chosen for design or appearance criteria, the Multi-Purpose soffit butts against the back of the Mammoth board and is fixed to each soffit bearer with two 40mm **FloTop** Pins.



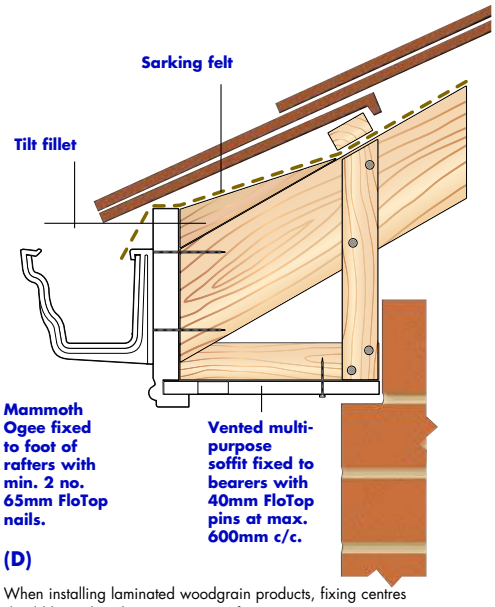
(C) When installing laminated woodgrain products, fixing centres should be reduced to a maximum of 400mm.

INSTALLATION DETAILS

New Build Replacement

(D) Mammoth Ogee Board and Vented Soffit

The diagram shows the Ogee style Mammoth Fascia; the appearance of this board makes it particularly favourable for the specifier and homeowner alike when trying to achieve a period appearance.
When used in conjunction with Decorative Bargeboard Mouldings and Niagara® gutter, an otherwise mundane appearance can be transformed into an aesthetically pleasing feature to a property.



(D)

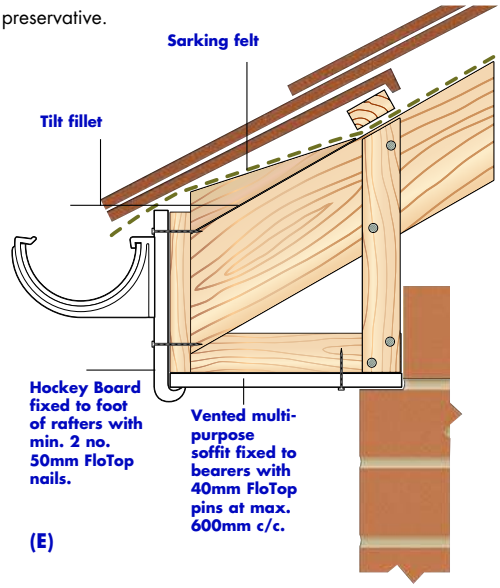
When installing laminated woodgrain products, fixing centres should be reduced to a maximum of 400mm.

New Build Replacement

(E) Hockey Board

The Fascia should have a suitable existing or new backboard. The Hockey Board should be fixed so that the weight of the eaves course of tiles is distributed across the backboard and/or tilt fillets.

The soffit board should be supported on bearers at the foot of every rafter and be securely supported at each end. A preferred method is to support them by battens nailed or screwed to the rafters as shown in the diagram. The bearers should be checked for line and level and suitable packing installed where necessary. All timbers should be treated with preservative.

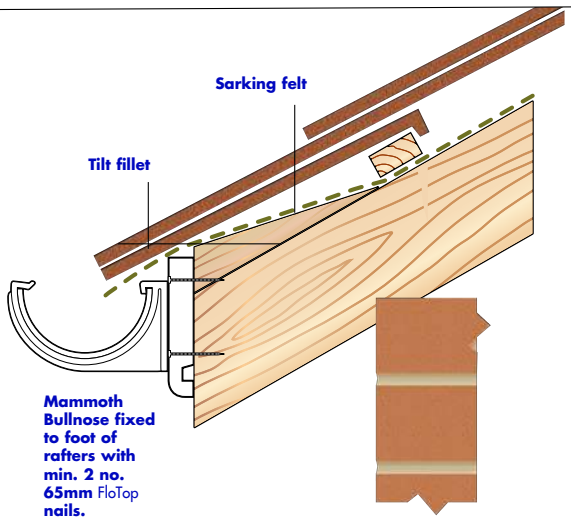


(E)

New Build Replacement

(F) Mammoth Bullnose Fascia

A common design feature for the 'cottage' effect is to leave the rafter ends exposed 'open eaves'. The Bullnose Fascia is then fixed to the rafter ends as a 'gutter board' to allow the installation of a rainwater system.



(F)

OVER FASCIA VENTILATION & EAVES PROTECTION SYSTEM

FloPlast offer a range of ventilation options which comply with the current Building Regulations 1991 (England and Wales) requirement F2, the Building Regulations (Northern Ireland) 1990 and NHBC recommendations.

The regulations are designed to limit condensation risks in a roof void constructed above an insulated ceiling.

Available in 1.5 metre lengths, **Eaves Protection System** can be used for refurbishment projects to replace rotted gutter felt and, in new build applications, it reduces long term eaves maintenance problems by directing water away from the underlay into the gutter. It also supports the underlay which prevents 'ponding' behind the fascia board.

Adjoining strips should be overlapped by 150mm and fixed at 200mm centres.

Over Fascia Vent Strip

Available with the equivalent of 10mm continuous air gap to suit current regulations. The 10mm is supplied in 5 metre packs, each section measuring 28mm H x 35mm D x 500mm L interlinks and has fixing points for ease of installation.

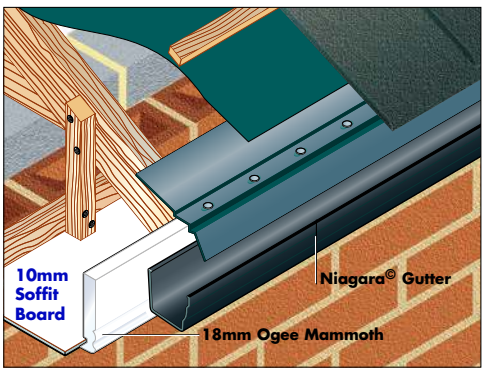
Because of the added height, when using over fascia ventilation, an allowance to reduce the size of the fascia board should be considered.

Pitched Roof	Allowance
	10mm
15° - 50°	10mm
51° - 55°	20mm
56° - 60°	30mm
61° - 65°	35mm
66° - 70°	40mm

Over fascia vent strip has an integral inhibitor to exclude large insects and vermin from the roof void.65mm x 3.35mm diameter galvanised steel nails, fixed at 200mm centres should be used to fix the **Over Fascia Ventilation System.**

Pre-vented Soffit boards are also available with the equivalent of 10mm and 25mm continuous air gap. The disc and soffit ventilator strips add variety and flexibility for the specifier and installer ensuring building regulations are met in all situations.

Over Fascia Ventilation and Eaves Protection System



PRODUCT	CODE	SIZE(mm)
Soffit Ventilator	RT24	
Disc Soffit Ventilator	RT25	
Soffit Ventilator with mesh	RT27	
Over Fascia Ventilation	OFV10	10
Eaves Protection System	EPS	1500

CLADDING SYSTEMS BS EN 13245-2 Attestation Level 4

The **FloPlast** PVC-UE Cladding Systems are suitable for external use on buildings as a decorative and protective facing, fixed vertically, horizontally or diagonally over both brick, block, masonry and timber framed walling. When installed correctly this will reduce thermal loss by providing an additional external barrier.

Available in two designs (**Shiplap** and **Open Vee**) resembling existing timber profiles. The weather tight joint provided prevents penetration from the elements.

The systems are completed with a range of trims to suit all applications.

The tough and durable finish has a high impact strength and a weather resistant skin which requires little maintenance to retain its excellent appearance.

PVC Cladding Systems has been assessed and given an A+ rating, which allows the specifier/ housebuilder to claim the code for sustainable homes maximum of three points when using PVC cladding on an external wall system.

FloPlast

CLADDING SYSTEMS BS EN 13245-2 Attestation Level 4

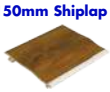
Golden Oak (WG)

Black Ash (WB)

Rosewood (WR)

When ordering please add colour reference to code required, e.g. C150 WG

Woodgrain PVC-UE Cladding System

PRODUCT	CODE
150mm Shiplap Cladding 	C150
100mm V Joint Cladding	C100
Top Edge trim	CT1
Starter trim	CT2
Universal Channel	CT3
Drip trim	CT4

PRODUCT	CODE
External Corner foiled	CT5
Internal Corner foiled	CT6
Centre Joint trim	CT7
150mm Butt Joint trim	CT8

Fixings: A4 Stainless Steel Cladding Pins

PRODUCT	CODE	SIZE(mm)
Clad pins (Marine Grade)	CP30 CP50	30 50

All boards and trims are manufactured in 5 metre lengths.

White Cladding System

PRODUCT	CODE
150mm Shiplap Cladding CE	C150
100mm V Joint Cladding	C100
Top Edge trim	CT1
Starter trim	CT2
Universal Channel	CT3

PRODUCT	CODE
Drip trim	CT4
Internal/External corner	CT5
Centre Joint trim	CT7
150mm Butt Joint trim	CT8

Fixings: A4 Stainless Steel Cladding Pins

PRODUCT	CODE	SIZE(mm)
Clad pins (Marine Grade)	CP30 CP50	30 50

All boards and trims are manufactured in 5 metre lengths.

INSTALLATION DETAILS

Horizontal Fixing

FloPlast 150mm Shiplap and 100mm V Joint Cladding, should be fixed at centres not exceeding 600mm. If installation is to be above second storey height, then this should be reduced to 400mm.
When installing laminated woodgrain products, fixing centres should also be a maximum of 400mm.

Working from a level line, the starter trim (A) is fixed to timber studs or battens using the specified 30mm cladding pins. All other framing trims are then fitted. Where two-part Trims are required (Top edge trim, or external and internal corners (B), only the back half is fixed at this stage (C&D).

The bottom cladding plank is then located firmly in the starter trim and vertical trims, and fixed into place using the specified 30mm cladding pins, starting at one end, or working from the centre outwards. At the end of each plank a 5mm gap should be allowed for expansion.

Where necessary, trims and planks are cut to size and shape (e.g. along the verge) with a fine toothed saw.

Subsequent planks are fitted into the preceding planks, ensuring that the tongue-and-groove joint is firmly closed, and nail heads are concealed.

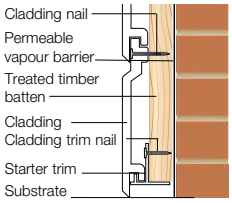
If it becomes necessary to cut the top plank to fit the remaining space, then off cuts of Cladding should be placed behind the cut plank at each fixing centre.

Where sections longer than 5m are to be clad, Butt Joints of adjacent cladding planks should be concealed with an individual butt joint trim or by a centre Joint trim fixed to a batten or stud, and a 10mm expansion gap should be allowed between the planks. For aesthetic reasons the positioning of any centre Joint trims should be taken into account at the planning stage.

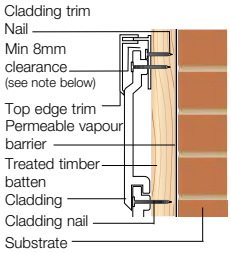
Where two-part trims have been used, fastening the front part of the Trim completes the installation.

If individual butt joint trims are used to join two or more cladding planks they should be spaced so that they do not impede the expansion of another butt joint above or below.

Bottom (Starter) edge detail (A) Side Section

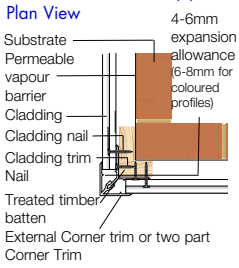


Top edge detail (B)
Side Section

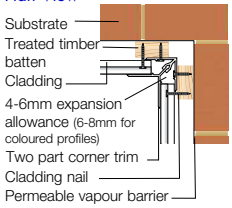


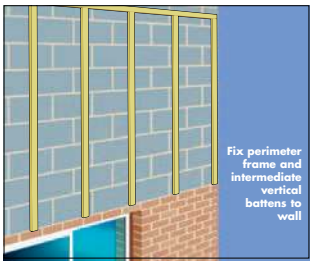
Note: A horizontal-cladding batten must support the Top edge trim. At least 8mm clearance must be allowed between the top of the last plank and the inside of the male extrusion of the top-edge trim. This allows for the last plank to be located and thermal movement to take place.

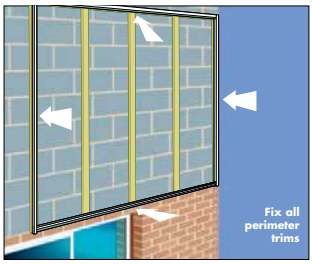
External Corner Detail (C)
Plan View

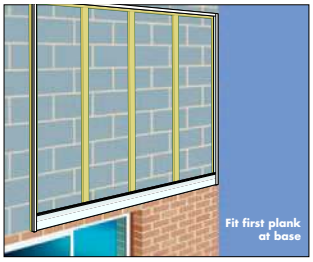


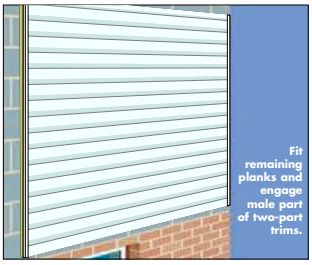
Internal Corner Detail (D)
Plan View

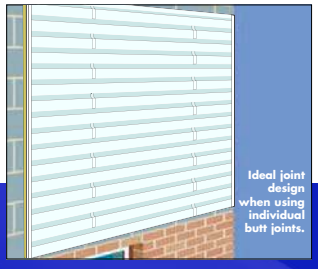












Ventilation

A minimum clear air space of 25mm must be provided behind the cladding, and this can be achieved, by using 25 x 38mm recommended battens. If insulation material is used the gap must be kept clear to allow air to circulate at all times.

Weatherproofing

The **FloPlast** cladding system is not air or water vapour tight, but will withstand normal weather conditions owing to its interlocking joint. It is advised that when used on timber studding, or walls which are not fully weathertight or subject to exposed conditions, that the system should be backed by a vapour permeable membrane complying with BS4016 : 1997. Requirements for drainage must be made to allow for any driving water that has penetrated. To achieve this 10mm holes should be positioned every metre in the horizontal lower batten.

TECHNICAL SPECIFICATION

Composition

FloPlast Cellular PVC Profiles are manufactured by a co-extrusion process in which a high impact PVC-UE (unplasticised expanded polyvinyl chloride) compound is co-extruded onto the outer surface of a foamed PVC-UE Cellular Core, cooled and formed to section, then cut to length and width as required.

PVC-UE has a high degree of thermal insulation and is resistant to acids, alkalis, seawater and atmospheric pollution.

Maintenance

Cellular PVC components have a consistent self-finish and colour and are essentially maintenance free. To restore to an 'as new' surface appearance, occasional washing with a non-scratch mild detergent and water will remove surface grime particularly in polluted atmosphere. Do not use solvents or abrasive cleaners.

Painting is not recommended as it can effect the impact strength of the product and the application of dark colours could lead to thermal distortion. However should painting be required for design or style considerations, use a good quality satin polyurethane paint.

Durability

The tough co-extruded outer skin provides excellent all year round weathering. Some natural shading over a number of years will occur due to the natural weathering process. Any slight colour change or surface dulling which might occur will be uniform over the visible exposed surfaces of the products.

Site Work/Fixing

FloPlast products undergo rigorous quality control checks in the factory, during and after manufacture. Should there be any defect for whatever reason, it should be reported to **FloPlast** immediately to enable us to carry out an inspection.

The protective film on the co-extrusion should be removed just prior to fitting. Should a defect become apparent at this stage the product should not be fitted.

FloPlast Cellular Boards are easily cut, routed and drilled using conventional woodworking tools. Stainless steel pins/ nails should be used for fixing.

Saws with fine-toothed blades should be used and power tools should be operated at the same or higher speeds to those normally used for timberwork, with carbide tipped blades. Ensure that a face mask and eye protectors are worn. Take additional care with the product close to or below freezing point, as low temperatures tend to make the product brittle. The product should not be fixed in temperatures above 30°C, or exposed to direct sunlight prior to fixing which may cause thermal distortion.

Correct fixings and fixing procedures should always be followed and the product secured to a sound substructure. A 5mm gap must be provided for thermal expansion at joints and plank ends.

Fire

FloPlast Cellular and Rigid Boards out perform timber in fire. The materials are not easily ignitable and achieved the following results on testing.

BS476 Ignitability Test: Performance Letter 'P' - Self Extinguishing.

BS476 : Part 7 : 1997 Resistance to spread of flame.

GENERAL INFORMATION

Transport, Handling and Storage

FloPlast products are wrapped in polythene sleeving in their specified pack quantities to guard against damage during transportation and storage. However care should be taken in their handling and they should be stored in stacks not exceeding one metre in height.

It is important that products are stored flat and fully supported on a firm base at temperatures below 30° C. Screen from direct sunlight to avoid rapid build-up of temperatures inside polythene sleeves.

The co-extruded surfaces are protected by a removable polythene film which should be removed just prior to installation.

Quality Control

FloPlast Cellular and rigid boards are manufactured within a quality management system which has been assessed by BSI and complies with the requirements of BS EN ISO 9001 : 2000 (Certificate no. Q 09318).

Continuous quality control procedures are in place during and after manufacture to check appearance, dimensions, weight per metre, heat reversion, heat ageing and impact strength.

Summary

Boards to be fixed only at temperatures above 0°C and below 30°C.

Fixings at a maximum of 600mm (400mm for cladding above two storey height, and laminated woodgrain products).

Secure boards to sound timber only replacing any rotten timber with new treated softwood.

Use adequate length of nails/pins.

A 5mm gap to be allowed for thermal movement at joints and at box ends.

FloPlast Fascia Systems are not load bearing.

Eaves tiles should be adequately supported.

Provide ventilation to roof space in accordance with current Building Regulations.

Use eye protection when using power tools to cut or drill boards.

Leave a clear air space of 25mm behind the Cladding.

Ensure battens for Cladding are secured to a firm substrate.

Remove all offcuts and dispose of environmentally.

Terms and Conditions of sale

Goods are sold subject to our Standard Terms and Conditions of Sale, copies of which are available upon request.

FloPlast Limited reserves the right to modify or extend any product range or published information without prior notice.

MODEL SPECIFICATION

Model Specification/Fixing Details

Fascias, Soffit's and Bargeboards are to be constructed using **FloPlast** Cellular and Rigid PVC Roof Trim System Profiles manufactured in accordance with BS7619 : 2010 - Cellular PVC-UE, approved by the British Board of Agrément 00/3771 00/3772 and within the requirements of BS EN ISO 9001 : 2000.

Boards are bright white or have a woodgrain effect laminated finish and fixing should be in accordance with normally accepted practice. Boards are to be fixed using plastic-headed stainless steel nails of an appropriate length, and secured to rafter feet, noggins and gable ladders.

Old Fascias, Soffit's and Bargeboards should preferably be removed, existing timber rafters and supports are to be inspected, and any rotten timber replaced with new treated softwood.

The Sarking felt should be examined, and replaced if any signs of damage or wear are found.

Fascia (I) Universal/Ogee Board/Hockey Board

Are to be constructed from Universal/Ogee Board with a nominal thickness of 10mm or Hockey Board with a nominal thickness of 9mm, secured at 600m centres, to treated battens or a backing board, with 50mm plastic-headed nails, with a minimum of 2 fixings per centre. 400mm centres for laminated woodgrain.

Joints to be supported and made at rafter feet, with both ends fixed, leaving a 5mm air gap and be covered with a joint trim, secured in position with Silicone Sealant, a proprietary adhesive or pins.

Gutter brackets are fixed through the Fascia into supporting timberwork, normally the rafter feet or backing board, with 40mm x 10 stainless steel screws.

Fascia (II) Mammoth/Ogee Mammoth Board/ Mammoth Bullnose Fascia

Are to be constructed from Mammoth/Ogee Mammoth Board with a nominal thickness of 18mm or Mammoth Bullnose Fascia with a nominal thickness of 16mm, secured at 600mm centres to rafter feet with 65mm plastic-headed nails, 400mm centres for laminated woodgrain with a minimum of 2 fixings per rafter.

Joints to be supported and made at rafter feet, with both ends fixed, leaving a 5mm air gap and be covered with a joint trim, secured in position with Silicone sealant, a proprietary adhesive or pins.

Gutter brackets are fixed through the Fascia, with 40mm x 10 stainless steel screws.

Bargeboards (I) Universal/Ogee Board/ Hockey Board

Are to be constructed from Universal/Ogee Board with a nominal thickness of 10mm or Hockey Board with a nominal thickness of 9mm, secured at 600mm centres to noggins and gable ladders with 50mm plastic-headed nails, with a minimum of 2 fixings per centre.
400mm centres for laminated woodgrain.

Joints are to be supported and secured as per Fascia Boards detail.

The ridge is to be joined using an appropriate trim with boards cut to the required angle.

Bargeboards (II) Mammoth/Ogee Mammoth Board/ Mammoth Bullnose Fascia

Are to be constructed from Mammoth/Ogee Mammoth Board with a nominal thickness of 18mm or Mammoth Bullnose Fascia with a nominal thickness of 16mm, secured at 600mm centres to noggins and gable ladders, with 65mm plastic-headed nails, with a minimum of 2 fixings per centre.
400mm centres for laminated woodgrain.

Joints are to be supported and secured as per Fascia boards detail.

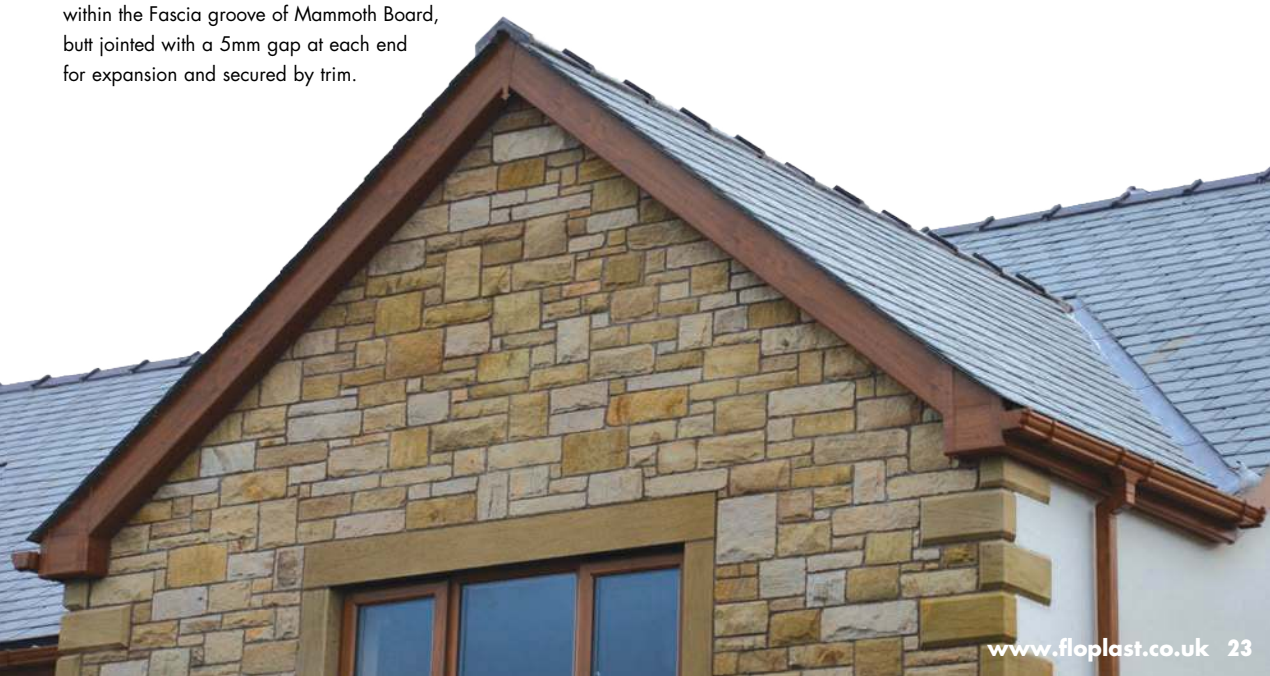
The ridge is to be joined using an appropriate trim with boards cut to the required angle.

Soffits - Multi-Purpose Board/ Hollow Soffit/Cladding Soffit

Are to be constructed from Multi-Purpose Board, Rigid PVC-U Hollow Soffit or Cladded Soffit, and secured at 600mm centres to timber eave hangers, noggins or underside of rafters with 40mm plastic-headed nails, with a minimum of 2 fixings per centre, and 30mm stainless steel nails for Cladded profiles.
400mm centres for laminated woodgrain.

Soffit corner returns are made by cutting the boards to the appropriate angle and joining with an 'H' Trim. Soffit widths are not to exceed 200mm unsupported.

Extra widths are to be joined using a Longitudinal Coupling Trim, leaving a 5mm gap at each end for thermal expansion. Soffits are to be positioned on the cover board lip or secured within the Fascia groove of Mammoth Board, butt jointed with a 5mm gap at each end for expansion and secured by trim.



FloPlast®

building the future

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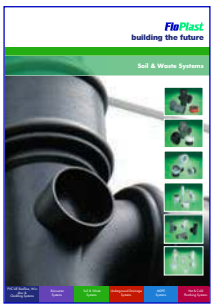
Other systems available:



KM 501316 KM 512474 KM 544331 KM 548614 KM 368 01

KM 563461 KM 544332 KM 563460 KM 572704 KM 563462

20 YEAR CAST IRON GUARANTEE

10

bsi.

IN COMPLIANCE WITH BUILDING REGULATIONS PART H

NMBS STRENGTHENING INDEPENDENTS

bsi. UKAS MANAGEMENT SYSTEMS

www.floplast.co.uk

WRAS APPROVED PRODUCT

BBA BRITISH BOARD OF AGREMENT CERTIFICATE No.00/3771

BBA BRITISH BOARD OF AGREMENT CERTIFICATE No.00/3772

20 Year Guarantee on Roofline Rainwater Systems

10 Year Guarantee on Underground Drainage Systems

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riba product selector

01/07/14