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for fitting instructions



The Complete Cladding Solution





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Argyl Brown



Cappuccino

The Complete Cladding Solution

Freefoam manufacture a range of long lasting, low maintenance cladding systems. Designed for high performance with high specification standards, Freefoam PVC-UE cladding is produced with our environmentally friendly lead free formulation, and guaranteed to stand the test of time.

Easy to install

All Freefoam cladding products are easy to fit. Both the standard PVC-U and Aluminium range of fitting trims ensure every installation is straightforward, designed to create a neat and professional finish.

Very low maintenance

PVC-UE is a very stable material. Cladding products made from PVC-UE do not require repainting or regular maintenance. A simple wipe-down with a damp cloth is all that's required to keep Freefoam cladding products looking their best. This offers a major long-term advantage over wood cladding saving time and money.



Cut heating costs with exterior cladding

With heating costs always a concern, fitting exterior wall cladding can provide the ideal solution to insulate your home. When installed with generic insulation materials, The Building Research Establishment's (BRE) 'Green Guide to Specification' has given PVC cladding an A+ rating.



Versatile

Freefoam cladding can be used on all types of exteriors including brick, masonry and concrete. Suitable for a wide variety of projects and situations, offering an attractive facade for both traditional and contemporary projects.

- New Build projects, both domestic and commercial
- Feature wall on a home extension.
- Replace timber cladding with long lasting PVC-U
- Replace hanging tiles with cladding.
- Replace tired and cracked render with new PVC cladding.
- Garden room or home office.



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Anthracite Grey



Oak



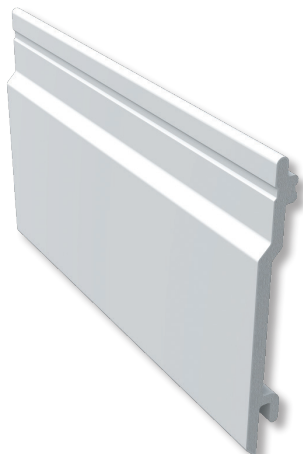
Shiplap and Open V Cladding

As the name suggests, shiplap cladding earned its name from the way ships were built in the past.

- Shiplap and Open V cladding have a rebate at the bottom of the plank and a scalloped profile at the top.
- Shiplap and Open V cladding can be fitted horizontally or vertically
- Available in smooth gloss white finish
- Ideal for dormer roof extension and gable end.



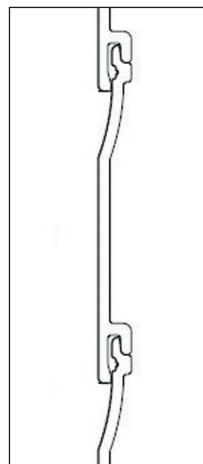
FC151 Shiplap



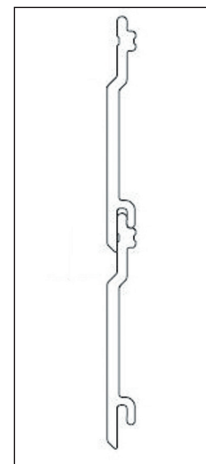
FV100 Open V

Guaranteed to stay white

Prolonged exposure to Ultra Violet (UV) light from the sun can damage our skin - and it has the same effect on PVC causing it to degrade over time. Freefoam white cladding is manufactured using a natural mineral called titanium dioxide - the same product is used in sun cream! It guarantees white cladding products to stay bright white for up to 10 years.



Profile of fitted boards (FC151)



Profile of fitted boards (FV100)

Colour Range



White

Nearest RAL 9003



Woodgrain Shiplap and Open V Cladding

Woodgrain finish cladding is suitable for both new installations and refurbishment, including feature walls and dormer extensions. Match to PVC woodgrain fascia, windows and doors.

- Available in two widths, 150mm and 100mm
- Wide colour range

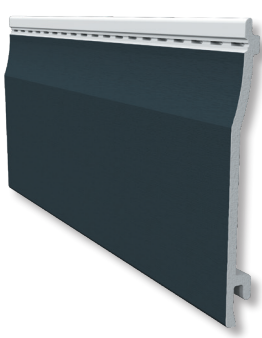


Manufactured to last

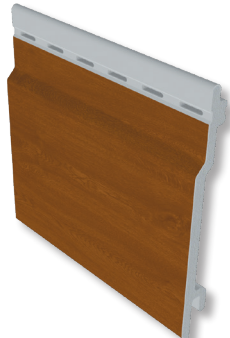
Freefoam work with world leading woodgrain film manufacturers for all woodgrain cladding to provide a durable fade resistant product.

The film features technologies in the base film to prevent the build up of heat, reducing the surface temperature. The upper transparent layer helps prevent fading and improves weather resistance.

This technology allows Freefoam to offer a ten year guarantee on all woodgrain cladding products.



FC151 Shiplap



FV100 Open V

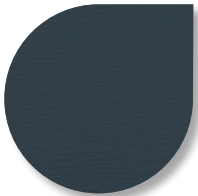
Colour	Code	FC151	FV100
Anthracite Grey	WGAG	☐	☐
Black Ash	WGB	☐	☐
Agate Grey	WGATE	1	
Light Oak	WGO	☐	☐
Rosewood	WGR	☐	☐

Woodgrain Shiplap and Open V Cladding Range



Scan for free samples

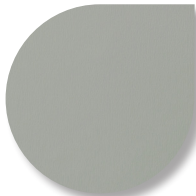
Email: ukmarketing@freefoam.com



Anthracite Grey
Nearest RAL 7016



Black Ash
Nearest RAL 8515



Agate Grey
No nearest RAL



Light Oak
Nearest RAL 8001

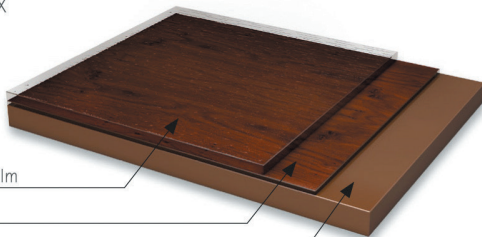


Rosewood
Nearest RAL 8017



Detail of Woodgrain finish
(Light Oak finish pictured)

Diagram showing the structure of the exterior film
RENOLIT EXOFOL MX



Transparent PMMA film

Printing ink

Pigmented PVC base film with SST



Fortex Embossed Cladding

Fortex® is a range of innovative exterior PVC cladding products that features an authentic embossed wood effect finish.

Three profiles:

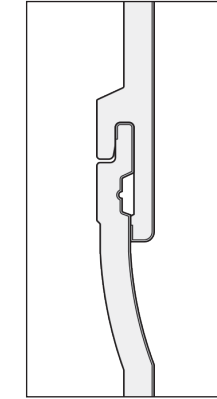
- Double Shiplap
- Weatherboard
- Shadow Gap

Double Shiplap

One board with a Shiplap design, covers large areas quickly.



FCD333E Double Shiplap



Profile of fitted boards



Fortex Double Shiplap

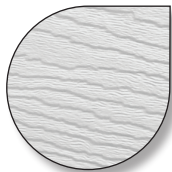
FORTEX®

Superior Durability

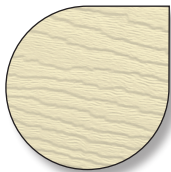
The Fortex® cladding range is manufactured as a long-term decorative cladding solution, designed to withstand weather and external conditions.

Guaranteed for up to 10 years*, backed by Freefoam's environmentally friendly lead-free formulation.

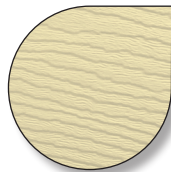
Fortex Embossed PVC-U Cladding Range



White
Nearest RAL 9003



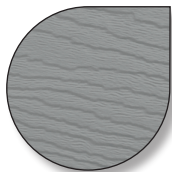
Pale Gold (PG)
Nearest RAL 1013



Sand (SAND)
No Nearest RAL



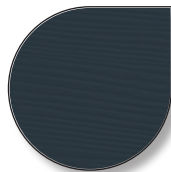
Cappuccino (CAP)
No Nearest RAL



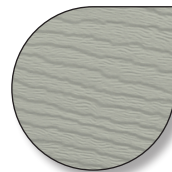
Storm Grey (SG)
Nearest RAL 7045



Slate Grey (SLG)
Nearest RAL 7015



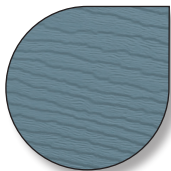
Anthracite Grey (AG)
Nearest RAL 7016



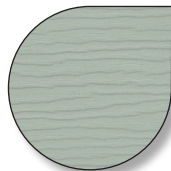
Misty Grey (MG)
Nearest RAL 7038



Argyl Brown (AB)
No Nearest RAL



Colonial Blue (CLB)
Nearest RAL 7000



Sage Green (SAGN)
No Nearest RAL

Colour	Code	FCD333E
White		<input type="checkbox"/>
Pale Gold	PG	<input type="checkbox"/>
Sand	SAND	<input type="checkbox"/>
Misty Grey	MG	<input type="checkbox"/>
Storm Grey	SG	<input type="checkbox"/>
Slate Grey	SLG	<input type="checkbox"/>
Anthracite Grey	AG	<input type="checkbox"/>
Colonial Blue	CLB	<input type="checkbox"/>
Cappuccino	CAP	<input type="checkbox"/>
Argyl Brown	AB	<input type="checkbox"/>
Sage Green	SAGN	<input type="checkbox"/>

* 5 year guarantee applies to dark colours, Cappuccino, Argyl Brown, Storm Grey, Slate Grey, Colonial Blue, Sage Green, Anthracite Grey



Argyl Brown



Cappuccino



Colonial Blue

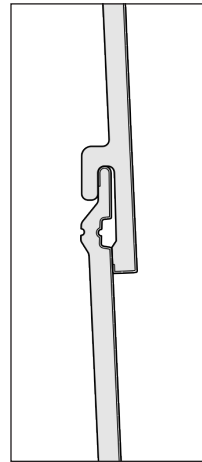
Weatherboard



Weatherboard cladding, sometimes known as featheredge cladding, features a tapered board. Designed to be laid with an overlap to create a 'New England' look.



FCF170E Weatherboard



Profile of fitted boards



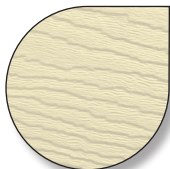
Fortex Weatherboard

Weatherboard Range



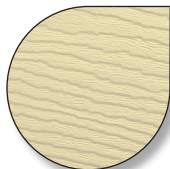
White

Nearest RAL 9003



Pale Gold (PG)

Nearest RAL 1013



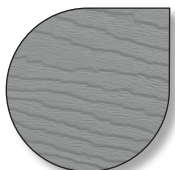
Sand (SAND)

No Nearest RAL



Misty Grey (MG)

Nearest RAL 7038



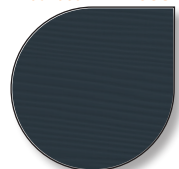
Storm Grey (SG)

Nearest RAL 7045



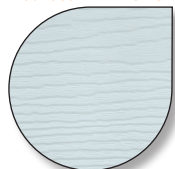
Slate Grey (SLG)

Nearest RAL 7015



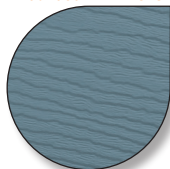
Anthracite Grey (AG)

Nearest RAL 7016



Pale Blue (PB)

No Nearest RAL



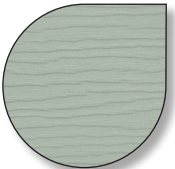
Colonial Blue (CLB)

Nearest RAL 7000



Argyl Brown (AB)

No Nearest RAL



Sage Green (SAGN)

No Nearest RAL

Colour	Code	FCF170E
White		<input type="checkbox"/>
Pale Gold	PG	<input type="checkbox"/>
Sand	SAND	<input type="checkbox"/>
Misty Grey	MG	<input type="checkbox"/>
Storm Grey	SG	<input type="checkbox"/>
Slate Grey	SLG	<input type="checkbox"/>
Anthracite Grey	AG	<input type="checkbox"/>
Colonial Blue	CLB	<input type="checkbox"/>
Argyl Brown	AB	<input type="checkbox"/>
Sage Green	SAGN	<input type="checkbox"/>
Pale Blue	PB	<input type="checkbox"/>



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Misty Grey



Sage Green



Sand

Shadow Gap

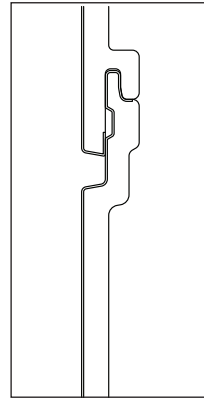
Shadow Gap cladding features a NEW subtle 'pine' embossed finish and attractive deep groove between boards. Co-extruded with a rigid foam core and durable embossed textured surface.

Fit horizontally or vertically, to create an instant transformation ideal for any new build or home improvement project.

A full cladding system with a wide range of fitting accessories In PVC and Aluminium.



FCG182PE Shadow Gap



Profile of fitted boards



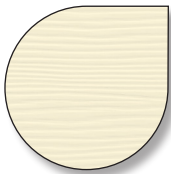
Boards fitted together

Shadow Gap Range



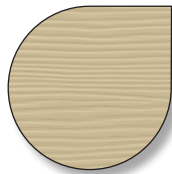
White

Nearest RAL 9003



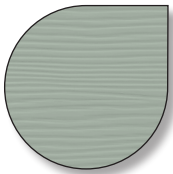
Pale Gold (PG)

Nearest RAL 1013



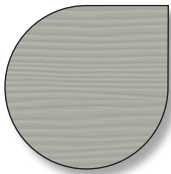
Cappuccino (CAP)

No Nearest RAL



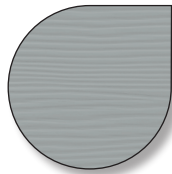
Sage Green (SAGN)

No Nearest RAL



Misty Grey (MG)

Nearest RAL 7038



Storm Grey (SG)

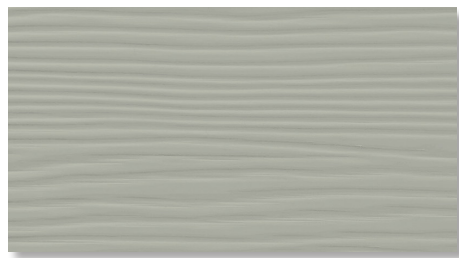
Nearest RAL 7045



Anthracite Grey (MG)

Nearest RAL 7016

Colour	Code	FCG182PE
White		□
Pale Gold	PG	□
Cappuccino	CAP	□
Sage Green	SAGN	□
Misty Grey	MG	□
Storm Grey	SG	□
Anthracite Grey	AG	□



Detail of Pine Embossed finish
(Misty Grey pictured)



Fortex Naturale

Fortex Naturale Cladding is a V-Groove style cladding with the natural look of wood.



Innovative Technology

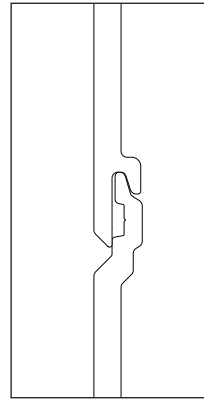
This innovative product is manufactured using state of the art digital printing technology creating a façade that is hard to distinguish from real wood.

Authentic Wood Finishes

- A beautiful range of authentic looking wood finishes of both traditional and contemporary grains imposed on to Freefoam's foam PVC cladding boards.
- A choice of six wood decors



FVC150N1 Fortex Natura



Profile of fitted boards



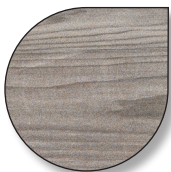
Boards fitted together

Colour	Code	FVC150N1
Malted Oak	MO	☐
Grey Cedar	GC	☐
Barnwood Oak	BO	☐
Siberian Larch	SL	☐
Greyed Oak	GYO	☐
Aged Padauk	AP	☐

Fortex Naturale Range



Malted Oak (MO)



Grey Cedar (GC)



Barnwood Oak (BO)



Siberian Larch (SL)



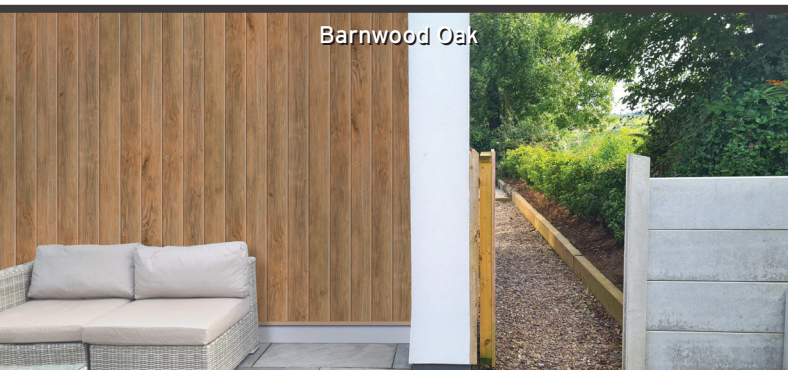
Greyed Oak (GYO)



Aged Padauk (AP)



Detail of wood finish (Malted Oak pictured)



Barnwood Oak

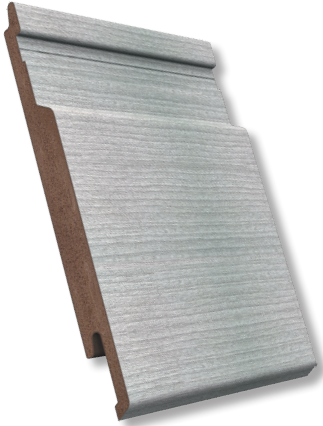


Grey Cedar

X-Wood Cladding

A highly durable composite cladding system that provides a contemporary attractive exterior façade. Perfect for any new build project or property renovation, X-Wood cladding is guaranteed to provide a weatherproof exterior for 10 years.

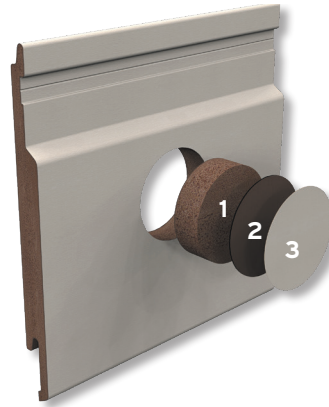
- 16mm thick board
- Smooth woodgrain finish featuring industry leading Renolit film
- Aluminium fitting trims



FCV143 X-Wood Cladding



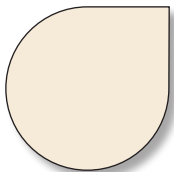
- Heavy duty plastic foam core
- A durable solid plastic skin
- A superior coating from market leading Renolit colour film manufacturer featuring a woodgrain effect finish
- X-Wood is guaranteed for 10 years and offers an attractive contemporary look



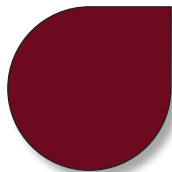
- 1 Heavy Duty Core
- 2 Durable Solid Plastic Skin
- 3 Renolit® Colour Film



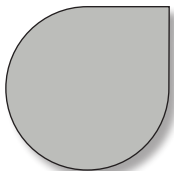
X-Wood Cladding Range



Cream (WGCR)
Nearest RAL 9001



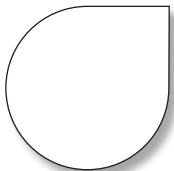
Wine Red (WGWR)
Nearest RAL 3005



Greyed Cedar (WGCC)
No Nearest RAL



Anthracite Grey (WGAG)
Nearest RAL 7016



White (WGW)
Nearest RAL 9016



Oak (WGO)
No Nearest RAL

Colour	Code	FCG182PE
Cream	WGCR	☐
Wine Red	WGWR	☐
Greyed Cedar	WGCC	☐
Anthracite	WGAG	☐
White	WGW	☐
Oak	WGO	☐



Detail of X-Wood finish
(Anthracite Grey finish pictured)



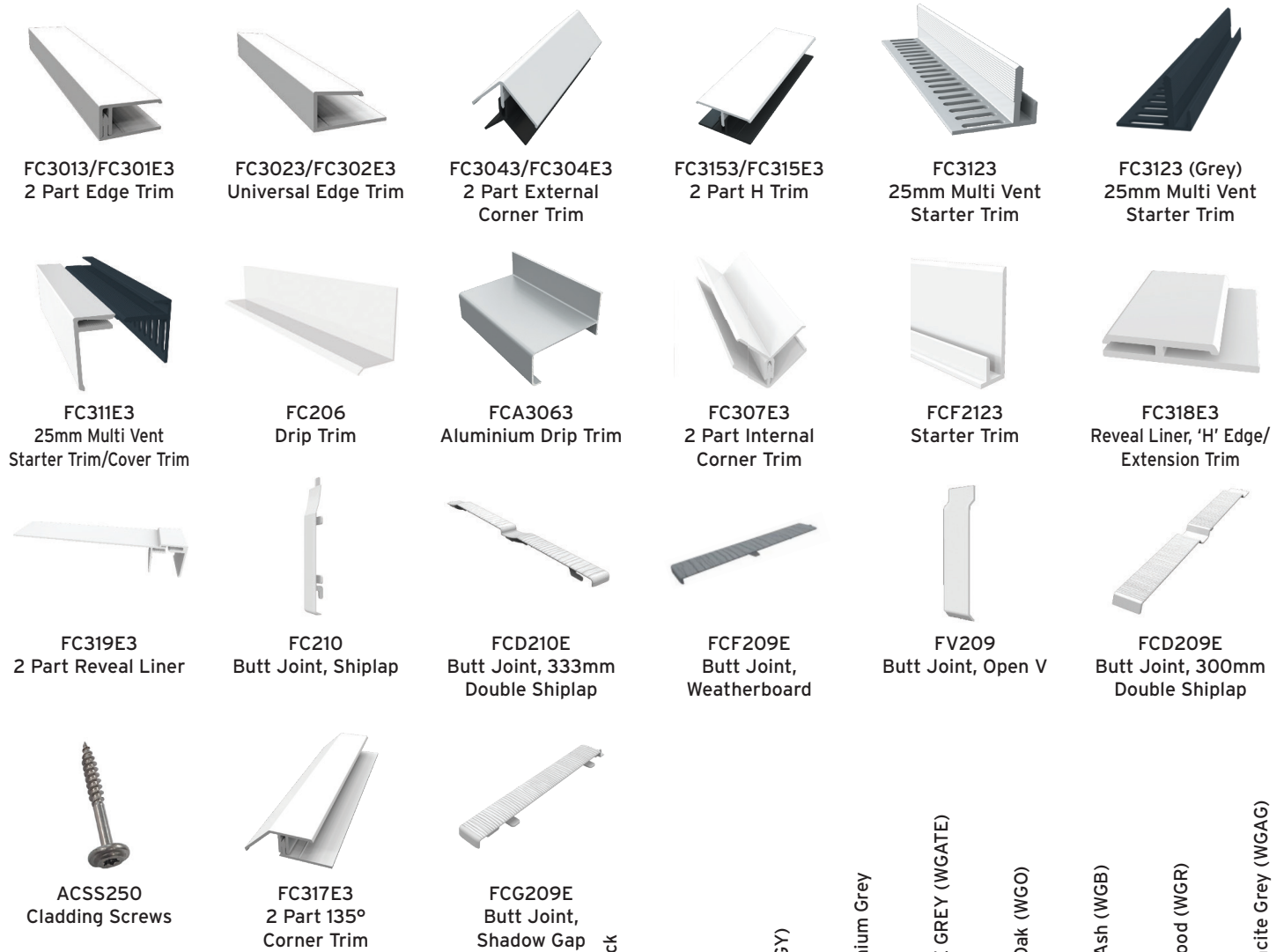
Greyed Cedar



Oak

PVC Cladding Accessories

Shiplap, Open V, Double Shiplap and Weatherboard & Shadow Gap



Shiplap and Open V

Code	Description	Unit	Per pack	White	Grey (GY)	Aluminium Grey	AGATE GREY (WGATE)	Light Oak (WGO)	Black Ash (WGB)	Rosewood (WGR)	Anthracite Grey (WGAG)
FC210	150mm Shiplap Cladding Butt Joint	Piece	10	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FV209	100mm Open V Cladding Butt Joint	Piece	10	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FC3013	2 Part Edge Trim	3m	5	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FC3023	Universal Edge Trim	3m	5	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FC3043	2 Part External Corner Trim	3m	5	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FC3153	2 part H trim	3m	5	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FC3123	25mm Multi Vent Starter Trim	3m	5	<input type="checkbox"/>	<input type="checkbox"/>						
FC311E3	25mm 2 part Multi Vent Starter/Cover Trim	3m	5	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FC206	Drip Trim	5m	5	<input type="checkbox"/>							
FCA3063	Drip Trim Aluminium	3m	6			<input type="checkbox"/>					
FCF2123	Starter Trim	3m	5	<input type="checkbox"/>							
FC319E3	2 Part Reveal Liner	3m	1	<input type="checkbox"/>							
FC318E3	Reveal Liner, 'H' Edge/Extension Trim	3m	5	<input type="checkbox"/>							
ACSS250	Cladding Screws	30mm	250			<input type="checkbox"/>					

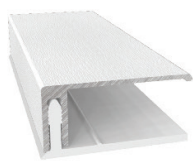
Double Shiplap & Weatherboard

Code	Description	Unit	Per pack	White	Grey (GY)	Aluminium Grey	Sand (SAND)	Pale Gold (PG)	Pale Blue (PB)	Cappuccino (CAP)	Argyl Brown (AB)	Misty Grey (MG)	Storm Grey (SG)	Slate Grey (SLG)	Anthracite Grey (AG)	Colonial Blue (CBL)	Sage Green (SAGN)
FCD210E	333mm Double Shiplap Butt Joint	Piece	10	☐			☐	☐		☐	☐	☐	☐	☐	☐	☐	☐
FCF209E	170mm Weatherboard Butt Joint	Piece	10	☐			☐	☐	☐		☐	☐	☐		☐	☐	☐
FCG209E3	Shadow Gap Butt Joint	Piece	10	☐				☐		☐		☐	☐		☐		☐
FC301E3*	2 Part Edge Trim	3m	5	☐			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
FC302E3*	Universal Edge Trim	3m	5	☐			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
FC304E3*	2 Part External Corner Trim	3m	5	☐			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
FC307E3	2 Part Internal Corner Trim	3m	5	☐			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
FC315E3*	2 Part 'H' Trim	3m	5	☐			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
FC317E3	2 Part 135° Corner Trim	3m	1	☐			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
FC3123*	25mm Multi Vent Starter Trim	3m	5	☐	☐												
FC311E3	25mm 2 part Multi Vent Starter/Cover Trim	3m	1	☐			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
FC206	Drip Trim	5m	5	☐													
FCA3063	Aluminium Drip Trim	3m	6			☐											
FCF2123*	Starter Trim	3m	5	☐													
FC319E3	2 Part Reveal Liner	3m	1	☐			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
FC318E3	H' Edge/Extension Trim	3m	1	☐			☐	☐		☐	☐	☐	☐	☐	☐	☐	☐
ACSS250	Cladding Screws	30mm	250			☐											

* Can be bought in single pack quantities.

X-Wood Aluminium and PVC Fitting Accessories:

2 part trim with PVC base and aluminium cover



FCA3013
2 Part 'U' Trim



FCA3023
'J' Trim



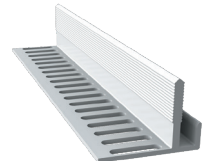
FCA3043
2 Part External
Corner Trim



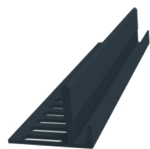
FCA3153
2 Part 'H' Trim



FCA3163
Cover trim for
Vented Starter Trim



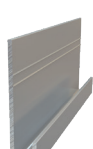
FC3123
PVC 25mm Multi
Vent Starter Trim



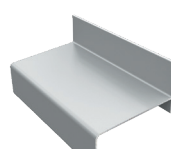
FC3123 (Grey)
PVC 25mm Multi
Vent Starter Trim



FVC209
Butt Joint,
X-Wood



FCA3123
Aluminium
Starter Trim



FCA3063
Aluminium Drip
Trim



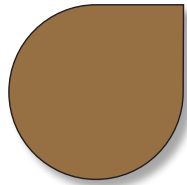
ACSS250
Cladding Screws

X-Wood

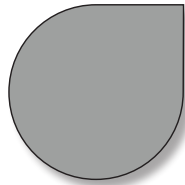
Code	Description	Unit	Per pack	White	Grey (GY)	Aluminium Grey	White (WGW)	Cream (WGCR)	Oak (WGO)	Greyed Cedar (WGCC)	Wine Red (WGWR)	Anthracite Grey (WGAG)
FCV209	X-Wood (Woodgrain) Butt Joint	Piece	10				☐	☐	☐	☐	☐	☐
FCA3013	2 Part 'U' Trim	3m	5				☐	☐	☐	☐	☐	☐
FCA3023	'J' Trim	3m	5				☐	☐	☐	☐	☐	☐
FCA3043	2 Part External Corner Trim	3m	5				☐	☐	☐	☐	☐	☐
FCA3153	2 Part 'H' Trim	3m	5				☐	☐	☐	☐	☐	☐
FCA3163	Cover Trim for Vented Starter Trim	3m	5				☐	☐	☐	☐	☐	☐
FC3123	PVC 25mm Multi Vent Starter Trim	3m	5	☐	☐							
FCA3123	Aluminium Starter Trim	3m	5			☐						
FCA3063	Aluminium Drip Trim	3m	6			☐						
ACSS250	Cladding Screws	30mm	250			☐						

Fortex Naturale Aluminium and PVC Fitting Accessories

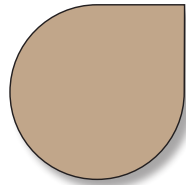
Trim Colours



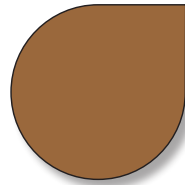
Malted Oak (MO)
RAL 8008M



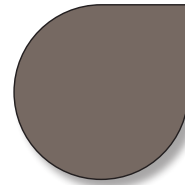
Grey Cedar (GC)
RAL 7023M



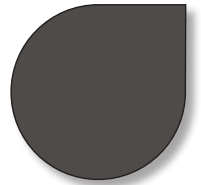
Barnwood Oak (BO)
RAL 1019M



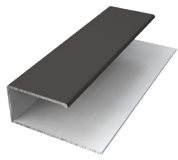
Siberian Larch (SL)
RAL 8003M



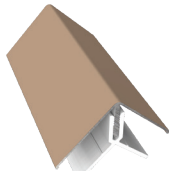
Greyed Oak (GYO)
RAL 7006M



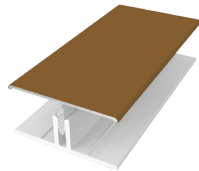
Aged Padauk (AP)
RAL 7022M



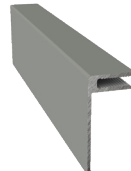
FCA302N1
J' Trim



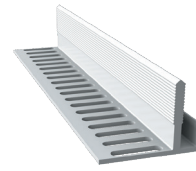
FCA3043N1
2 Part External
Corner Trim



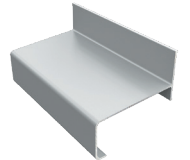
FCA3153N1
2 Part 'H' Trim



FCA3163N1
Cover Trim



FC3123
PVC 25mm Multi
Vent Starter Trim



FCA3063
Aluminium Drip
Trim



ACSS250
Cladding Screws

Fortex Naturale

Code	Description	Unit	Per pack	Grey	Malted Ohak (MO)	Grey Cedar (GC)	Barnwood Oak (BO)	Siberian Larch (SL)	Greyed Oak (GYO)	Aged Padauk (AP)
FCV150N1	150mm Fortex Natura	5m	4		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FCA3023N1	J Trim	3m	2		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FCA3043N1	2 Part External Corner Trim	3m	2		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FCA3153N1	2 Part H Trim	3m	2		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FCA3163N1	Cover Trim for Ventilated Starter Trim	3m	2		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FCA3123	25mm Multi Vented Starter Trim	3m	5	<input type="checkbox"/>						
FCA3063	Drip Trim	3m	1	<input type="checkbox"/>						
ACSS250	Cladding Screws	30mm	250							

Cladding Installation

Installation Checklist

To be checked	<input type="checkbox"/>
Correct screws used	<input type="checkbox"/>
Screws do not puncture the cladding	<input type="checkbox"/>
Sufficient expansion gaps allowed	<input type="checkbox"/>
Correct batten size used	<input type="checkbox"/>
Battens fixed at correct centres - see tables below	<input type="checkbox"/>
Cladding screw fixed at every batten	<input type="checkbox"/>
Ventilation profile installed at top and bottom	<input type="checkbox"/>

Batten Size

Use 25mm x 50mm Batten for all Freefoam cladding.

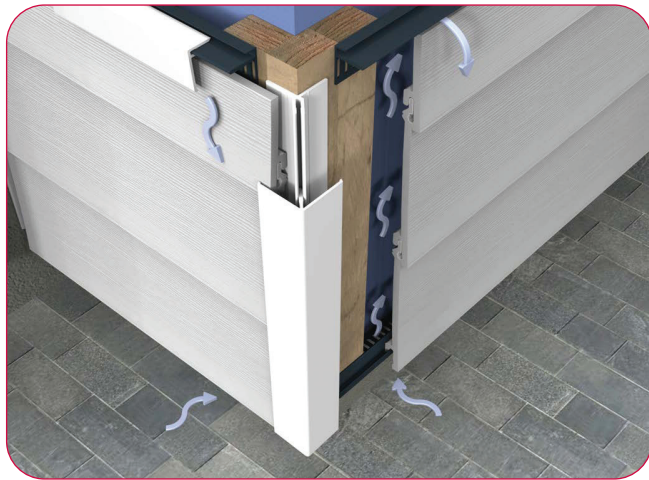
Centres

Use 400mm Batten Centre for all Freefoam cladding.

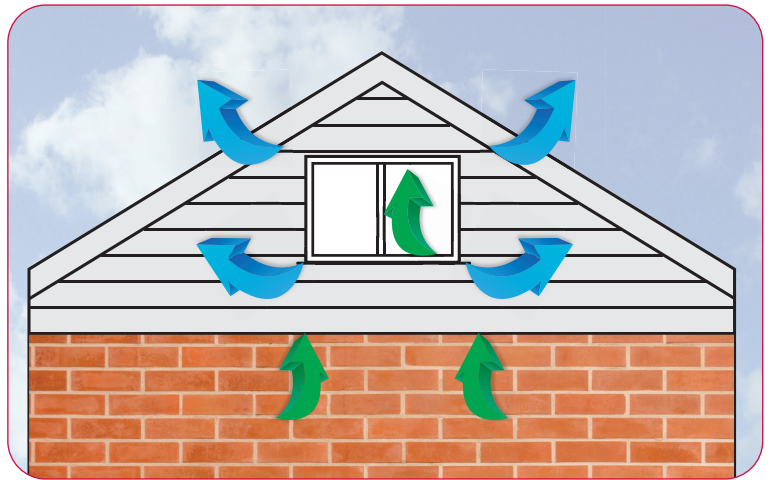
Important Information

VENTILATION

Continuous ventilation from the bottom to the top of the installation is critical to the performance of the cladding. A minimum of 25mm ventilation space should be allowed between the cladding and the breather membrane, insulation or wall.



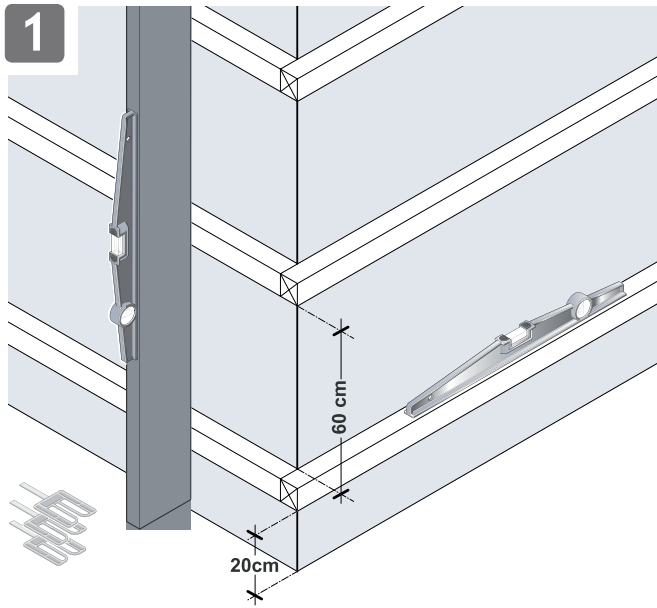
It is essential that continuous ventilation is maintained between the vertical battens from top to bottom and adequate expansion is allowed for at the ends of the boards.



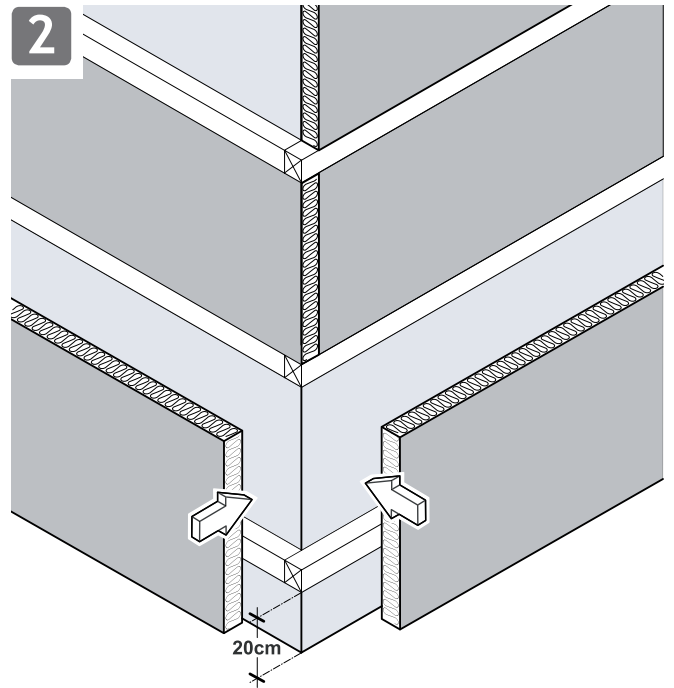
Green - Air Inlet • Blue - Air Outlet

Installation instructions

Instructions for fitting WITH INSULATION

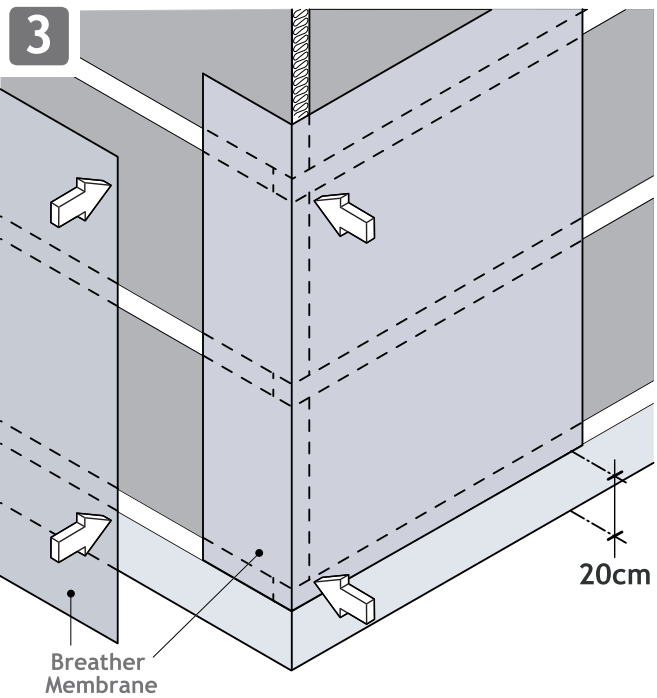


Affix softwood counter battens to suit chosen insulation in accordance with the spacings specified. Secure with suitable screws.

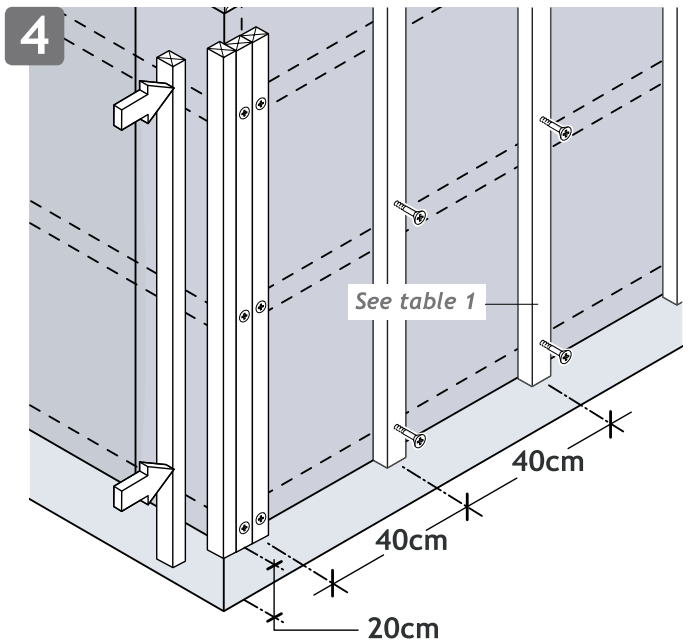


Place your thermal insulation between the counter battens with reference to insulation manufacturers instructions.

Instructions for fitting WITHOUT INSULATION

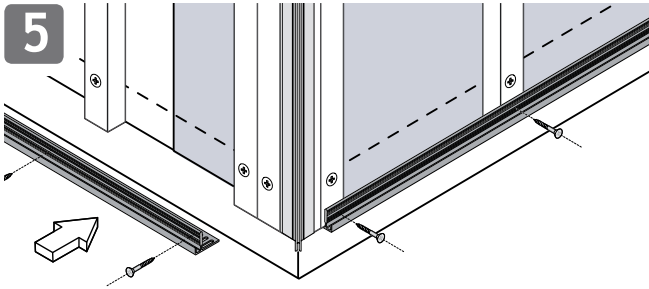


Affix breather membrane* to cover entire surface to be clad. (Ensure membrane is lapped according to manufacturer's instructions)

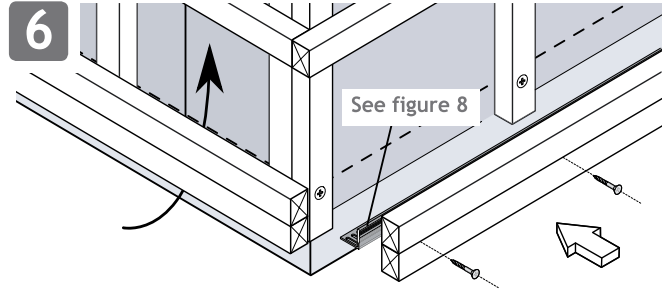


Fix cladding battens; Use double battens at corners, edges and junctions. Refer to diagrams 5, 6, 7, 8 & 15 before cutting battens to length.

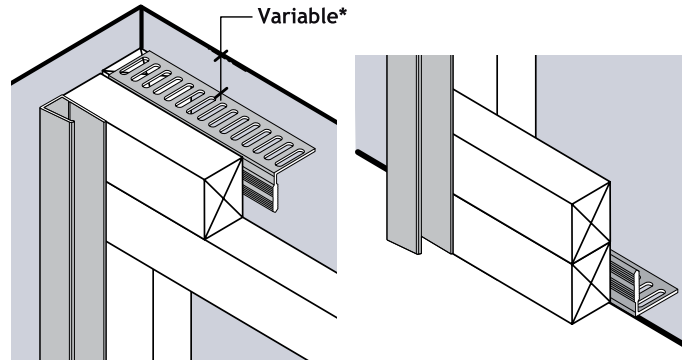
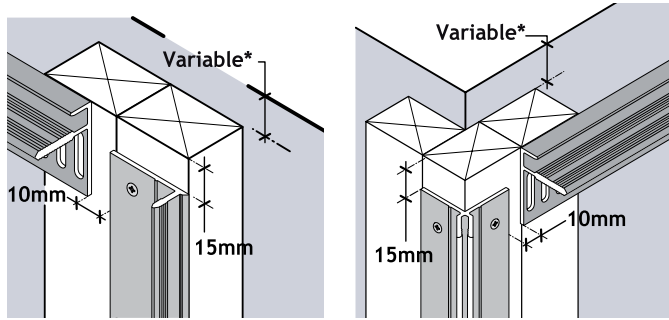
* not manufactured by Freefoam Building Products



Fix ventilated starter trim. see Diagram 7.

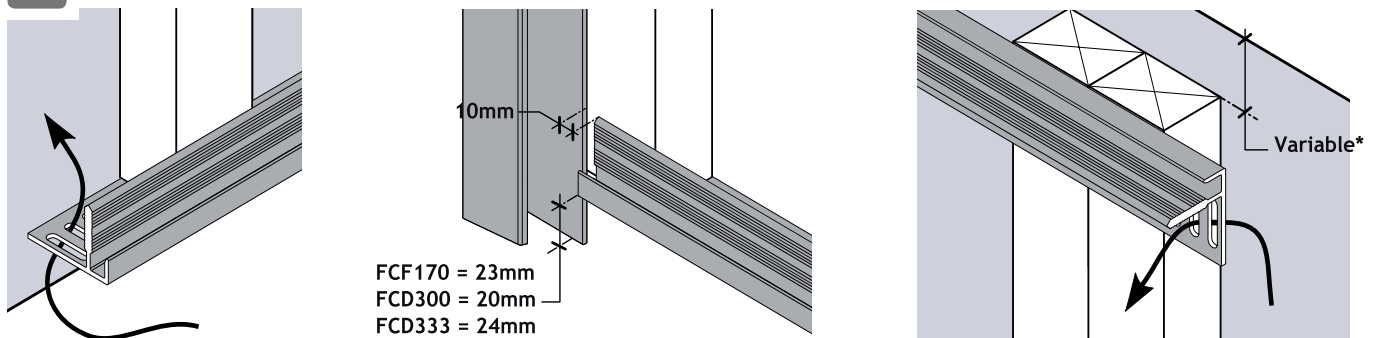


If fixing cladding vertically, fix horizontal battens over vertical counter battens.



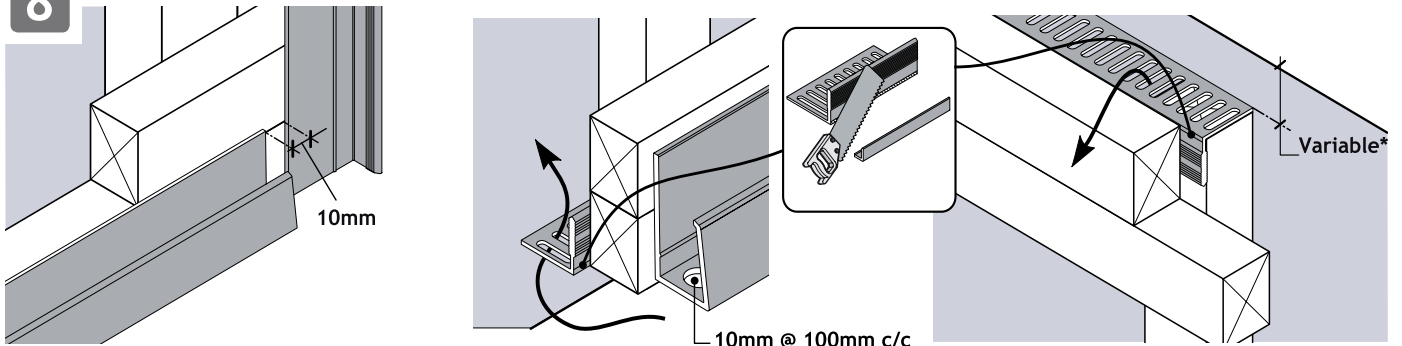
Fix 1 part trims, first part of 2 part trims & vented starter trims. Refer to Diagrams 5, 6, 7 & 8.

7 PVC Vented Starter/Closer



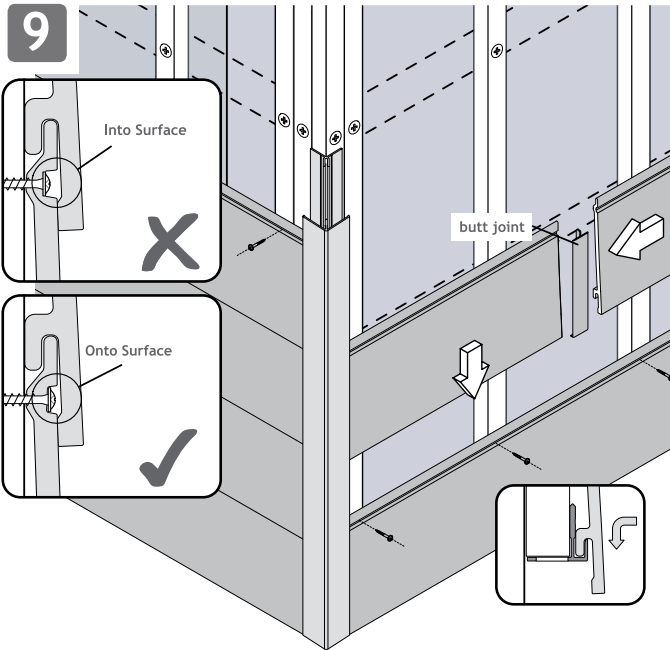
*Allow space for fixing cover trim if required. See figure 14

8 Vertical Cladding Details



*Allow space for fixing cover trim if required. See figure 14

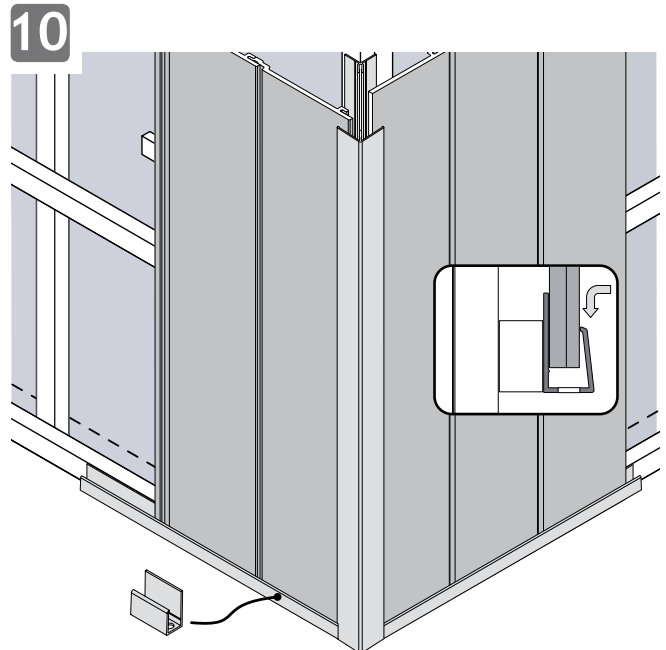
Both multifunction & standard trims can be used for vertical and horizontal cladding



Slot the first row of cladding planks into the vented starter trim. (or starter trim) and Multifunction Trims. Allow expansion gaps at all edges and junctions. See Diagrams 11, 12, 13 & 14. Do not drive the screw or nail through the surface of the cladding as this will prevent the plank from moving if it expands.

Install the cladding planks from left to right and secure with 3.5 x 30mm corrosion resistant screws. Do not use force during the installation and screwing.

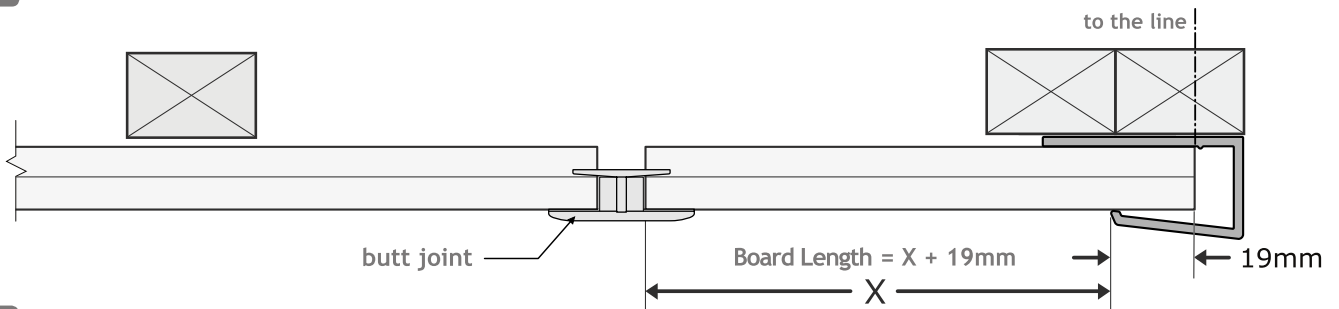
When all cladding is in place. Fix second parts of finishing trims. See figures 13 & 15



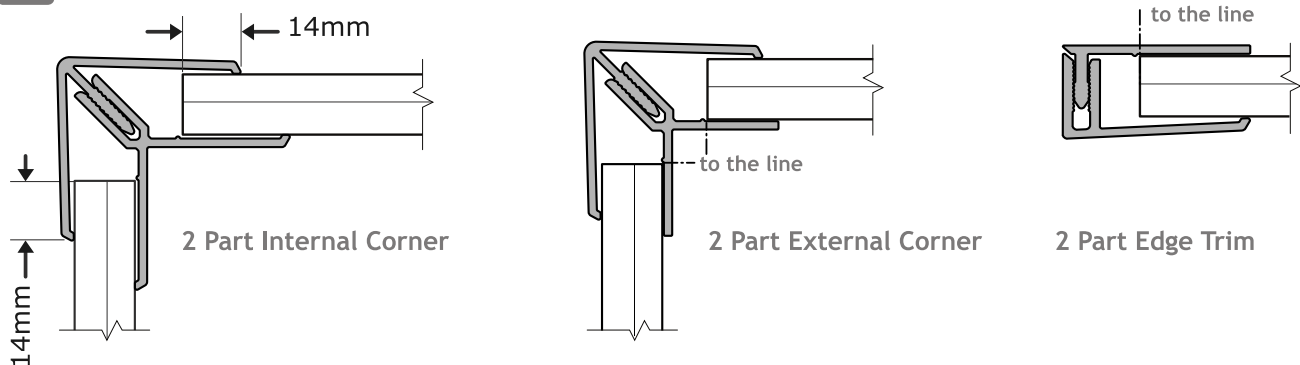
slot vertical planks into a J trim with 10mm drainage holes drilled at 100mm centres. Allow expansion gaps at all edges and junctions. See Diagrams 11, 12 & 13. Do not drive the screw or nail through the surface of the cladding as this will prevent the plank from moving if it expands.

Install vertical cladding planks from right to left and secure with 3.5 x 30mm corrosion resistant screws. Do not use force during the installation and screwing.

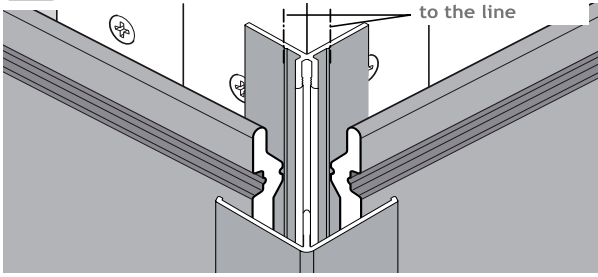
11 Expansion



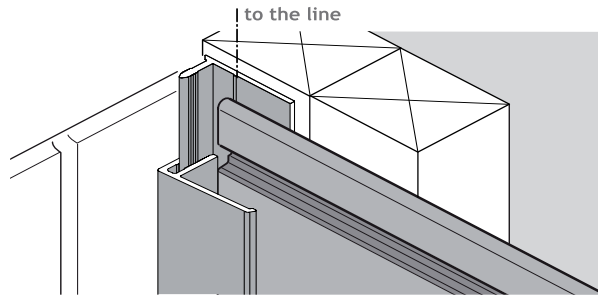
12 3 Series Trims



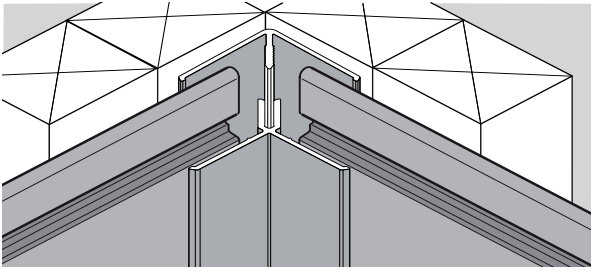
13 3 Series Trim Details



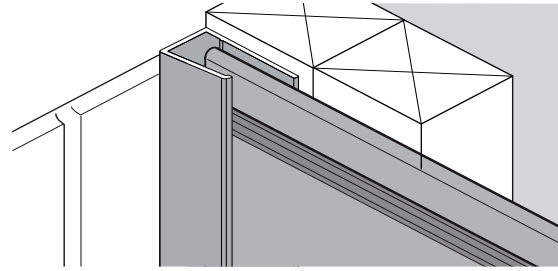
External Corner Trim



2 Part Edge Trim

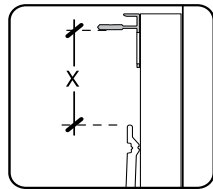
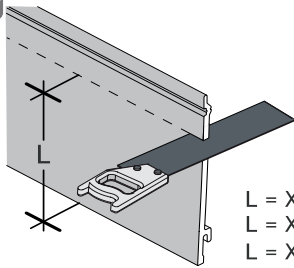


Internal Corner Trim

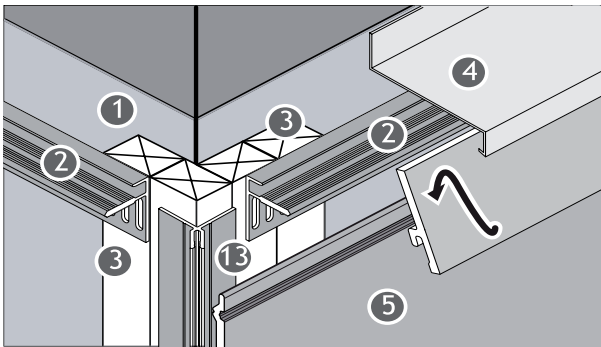


1 Part Edge Trim

14

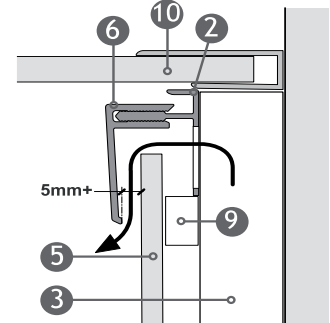
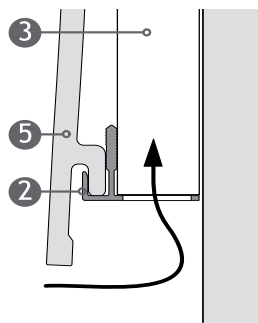
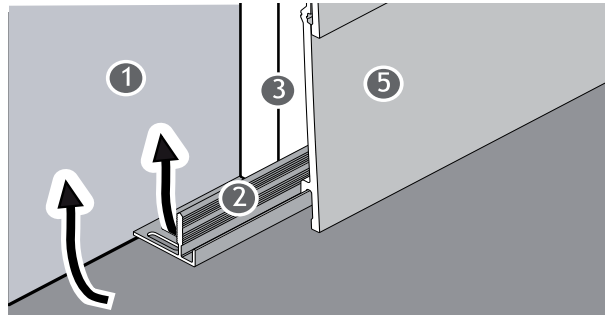
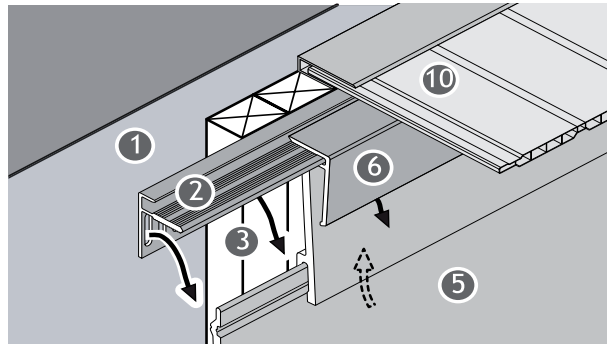


- L = X + 19mm (FCF170)
- L = X + 21mm (FCD300)
- L = X + 23mm (FCD333)



Fix vented starter/closer trim. Refer to Diagrams 7 & 8. Cut your cladding plank using the formula given.

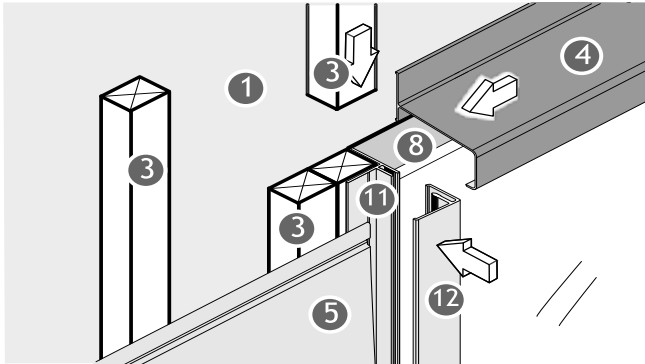
Ventilation detail



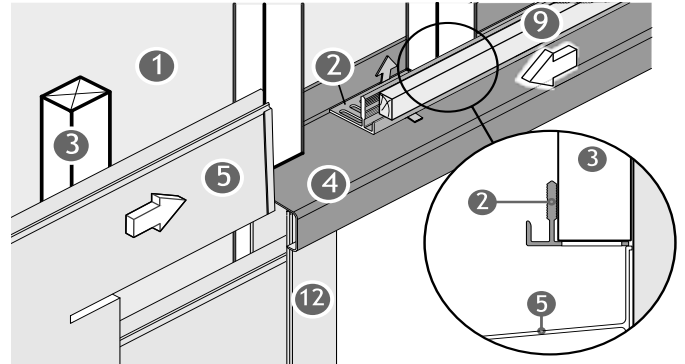
- | | | |
|------------------------------------|---------------------------------------|-----------------------------------|
| 1 Breather Membrane* | 6 FC311E3 Ventilated Closer | 11 FC319 Reveal Liner - Part 1 |
| 2 FC3123 Ventilated Starter/Closer | 7 Cill* | 12 FC319 Reveal Liner - Part 2 |
| 3 Pre-treated softwood battens | 8 GPB (General Purpose Board)/Soffit | 13 FC304 Ext Corner Trim - Part 1 |
| 4 FCA3063 Aluminium Drip Trim | 9 Timber Packing | 14 FC302 Universal Edge Trim |
| 5 Cladding | 10 GPB (General Purpose Board)/Soffit | 15 FC318 Reveal Liner Edge Trim |

* not manufactured by Freefoam Building Products

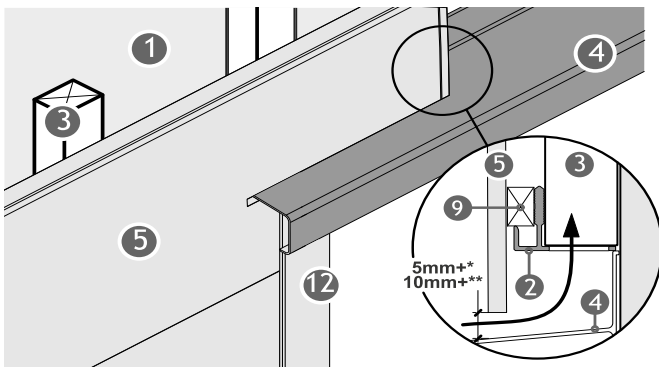
15a Window jamb with FC319 Reveal Liner 1/3



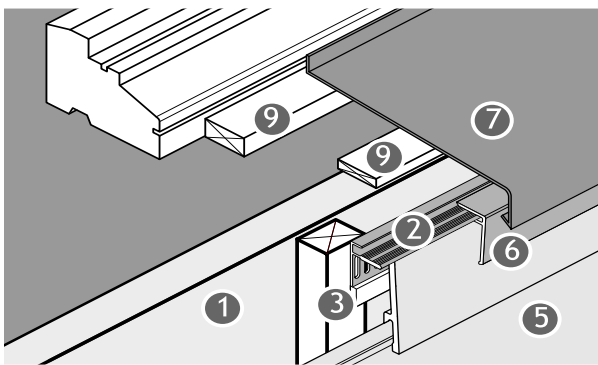
15b Window jamb with FC319 Reveal Liner 2/3



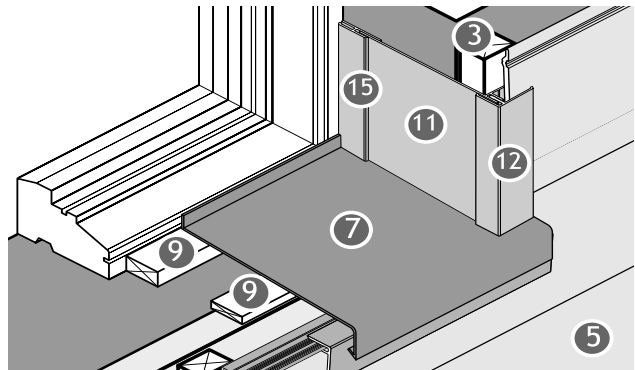
15c Window jamb with FC319 Reveal Liner 3/3



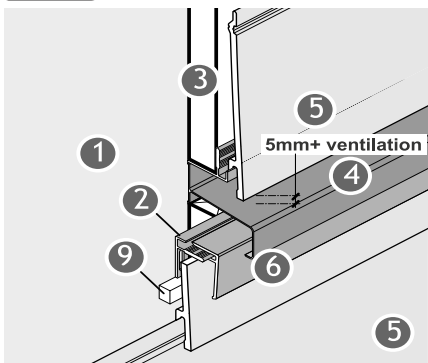
16 Window Cill detail



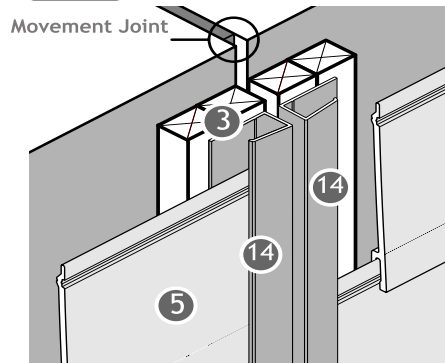
16a Window Cill & Jamb Junction



17a Horizontal break



17b Vertical break



Fitting Information

VERTICAL CLADDING

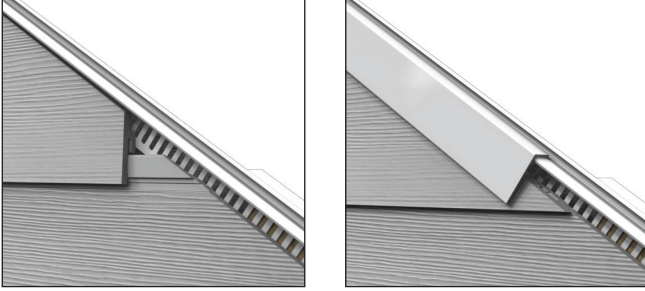
All Freefoam cladding profiles can be fitted vertically. See freefoam.com/downloads for instructions.

DORMER WINDOWS

Cladding is ideal for a dormer elevation. For full fitting instructions See freefoam.com/downloads

GABLE END

Install ventilated trim and cover trim to gable angle. Use Ventilated Trim (FC311E3) for edge of gable.



OPEN CONSTRUCTION

When fixing to open batten construction such as sheds or timber frame structures a rigid sheet material such as OSB is required to separate the ventilation space between the cladding battens from the airspace inside the structure.

INSTALLATION NOTES

Fixing

Only use corrosion resistant screws for fixing cladding planks and accessories. Cladding should only be installed at temperatures within the range of 5° - 25°C.

Expansion

The recommended minimum expansion gaps at the ends and between cladding planks (See Diagram 11,12,13 & 14) should be strictly adhered to. A minimum of 27mm

Breaks

Where a cladding panel exceeds 6m in height, a horizontal break should be provided by use of a drip trim to facilitate ventilation openings. See figure 17a. For installations greater than 10m long a vertical break will be required. Vertical breaks mitigate any cumulative expansion. Horizontal breaks aid cooling of cavity and in some cases are required as cavity breaks for preventing spread of flame between storeys, such as in cases where there are different occupancies.

In accordance with Part B of the Building Regulations - Fire Safety; Fortex is permitted for use 1m or more from a relevant boundary on buildings* that are 18m in height or less.
*For assembly and recreation buildings, refer to Part B of the Building Regulations for more detailed guidance.

Finishing

Where required fit a cover strip or drip trim to prevent rain from entering the cavity at the top of the installation.

The guidance for provision of expansion and ventilation provided in this document applies in all cases including windows, doors, gables ends, dormers etc.

Ensure that all installations comply with local Building Regulations and general good building practice. Consult you local Planning Department for guidance.

CLADDING CALCULATOR

Use the handy online tool to generate a full breakdown of all elements for your project

- Cladding Boards
- Fitting trims
- Battens
- Membrane Fixings

Eliminate wastage to save money.

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EASY TO ORDER

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Maintenance Storage and Fire Rating

Regular Inspection

Under normal conditions Freefoam cladding requires minimal maintenance. Environmental impacts may effect the visual appearance of the façade. An annual inspection of the ventilation gaps, joints and fixings is recommended. Detection and repair of possible damage ensures longer life for our cladding.

Cleaning

Clean Freefoam cladding with cold or lukewarm water. If necessary add mild household cleaning detergent that does not contain solvents. We would highly recommend rinsing your cladding down with warm soapy water or a pressure washer (adjust to 80bar maximum with the nozzle 50cm minimum distance from cladding surface) every now and then to keep it clean and free from dirt or stains. Use caution around ventilation openings to prevent excessive water ingress. Do not use solvents or aggressive cleaning products. Start at the top.

Impact from Nature

Coastal locations are subject to more extreme conditions due to salt laden moist air and wind-blown sand. We recommend more regular inspections in such locations. Pay particular attention to corners of cladding, around windows and doors particularly those facing the prevailing wind.

STORAGE

- Prior to installation cladding should be stored out of direct sunlight.
- Check the cladding surface for damage prior to installation.
- Complaints of surface defects will not be accepted after installation is complete.

FIRE RATING FORTEX CLADDING

The following colours remain rated as D-s3,d2 AVM - AHM

White, Pale Gold, Sand, Misty Grey, Cement Grey, Pale Blue, Smoked Clay

(Please note: not all colours are available in the UK)

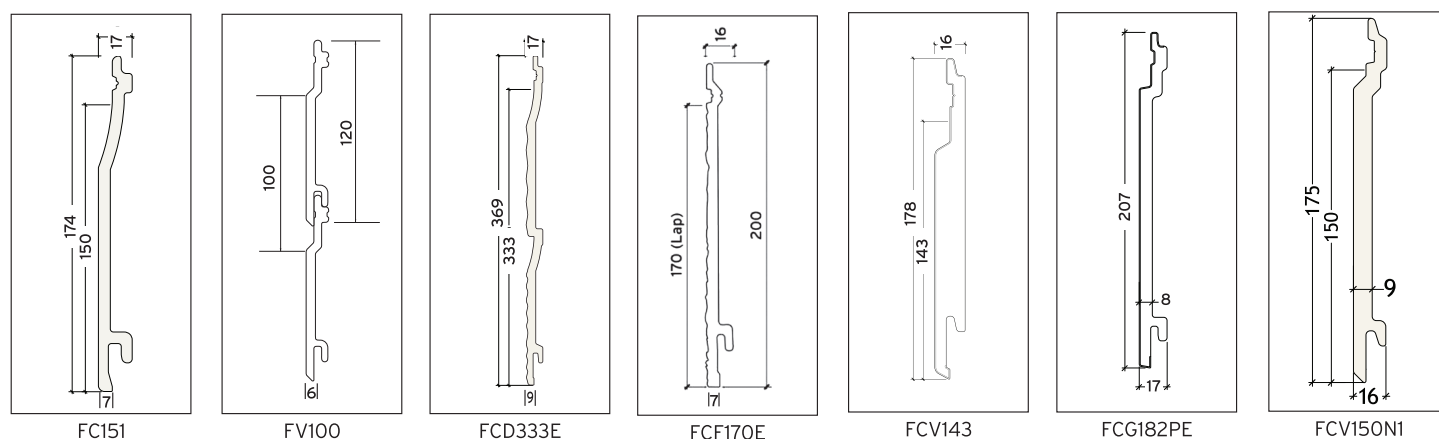
The following colours are rated E.

French Grey, Storm Grey, Argyll Brown, Colonial Blue, Enviro Green, Slate Grey, Cappuccino, Quartz Grey, Sage Green, Anthracite Grey & Stone.

This is due to the ASA (acrylic) skin that improves colour fastness giving superior colour performance.

This slight change in the reaction to fire rating makes no difference to the previous D rating in terms of where the cladding can or can't be used, according to the Building Regulations.

Dimensions (mm)



Technical Data

Freefoam cladding products are produced from cellular PVC. A co-extrusion process enables them to be covered with a layer of PVC resistant to UV rays and discolouration. An additional embossing process gives the Fortex and X-Wood products their textured effect.

	Length	Thickness	Pack Quantity	Material	Coverage Per Board Length	Density	Expansion Coefficient	Weight per board	Fire Rating
Shiplap FC151	5m	7mm	5	Cellular PVC & UV Resistant co-extruded skin	0.75m ²	510kg/m ³	5 x 10 / °C	2.75kg	D-s3,d2/AVM
Shiplap FC151 + Woodgrain Foil	5m	7mm	5	Cellular PVC & UV Resistant High Performance Film	0.75m ²	510kg/m ³	5 x 10 / °C	2.75kg	E
Open V FV100	5m	6mm	5	Cellular PVC & UV Resistant co-extruded skin	0.5m ²	510kg/m ³	5 x 10 / °C	1.95kg	D-s3,d2/AVM
Open V FV100 + Woodgrain Foil	5m	6mm	4	Cellular PVC & UV Resistant High Performance Film	0.5m ²	510kg/m ³	5 x 10 / °C	1.95kg	E
Double Shiplap 333mm FCD333E	5m	9mm	2	Cellular PVC & UV Resistant co-extruded skin	1.65m ²	510kg/m ³	5 x 10 / °C	7.85kg	D-s3,d2/AVM or E*
Weatherboard FCF170E	5m	7mm	4	Cellular PVC & UV Resistant co-extruded skin	0.85m ²	510kg/m ³	5 x 10 / °C	3.15kg	D-s3,d2/AVM or E*
X-Wood FCV143 + Woodgrain Foil	5m	16mm	2	Cellular PVC & UV Resistant High Performance Film	0.71m ²	500kg/m ³	40 x 10 ⁻⁶ /°C (DIN53377)	6.25kg	D-s3,d2
Shadow Gap FCG182PE 182mm	5m	8mm	4	Cellular PVC & UV Resistant co-extruded skin	0.91m ²	510kg/m ³	5 x 10 / °C	2.43kg	D-s3,d2/AVM or E*
Naturele FCV150N1	5m	9mm	4	PVC-UE Core/Skin, ink, varnish	0.75m ²	460kg/m ³	5 x 10/°C	3.5kg	D-s3,d2 AVM/AHM

Accreditation

Freefoam Fortex Cladding is accredited by the CSTB.

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*See page 21 for more information

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