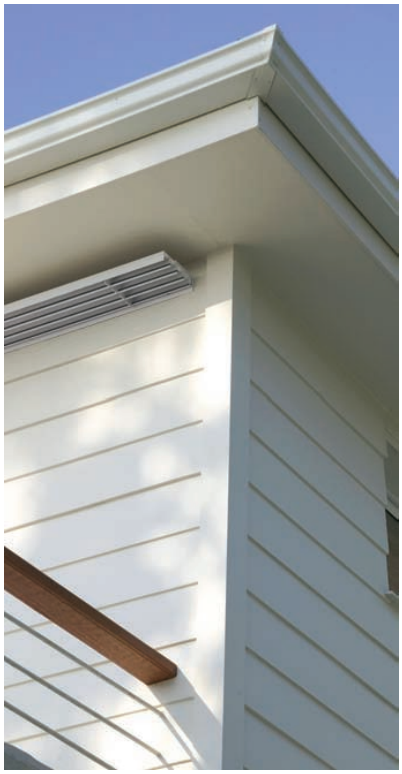
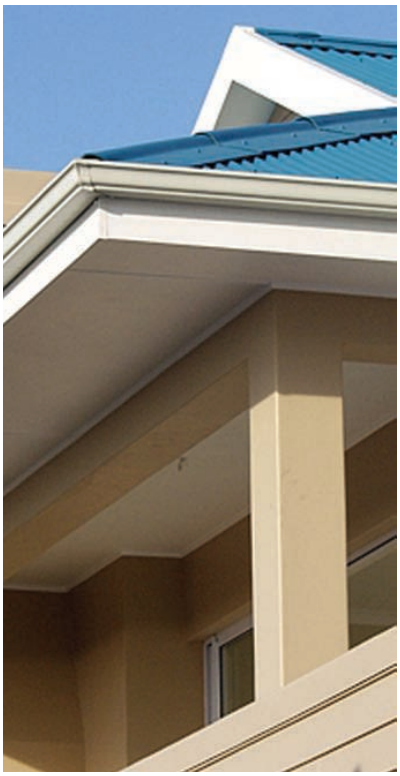
lasting strength
with fibre-cement

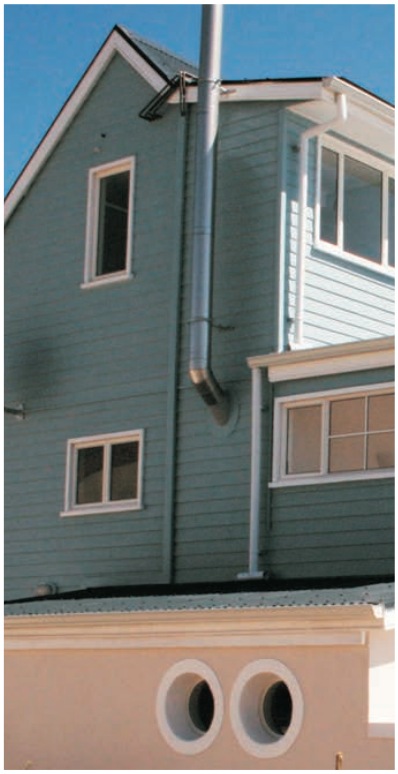
NUtec
ROOFING AND CLADDING SOLUTIONS

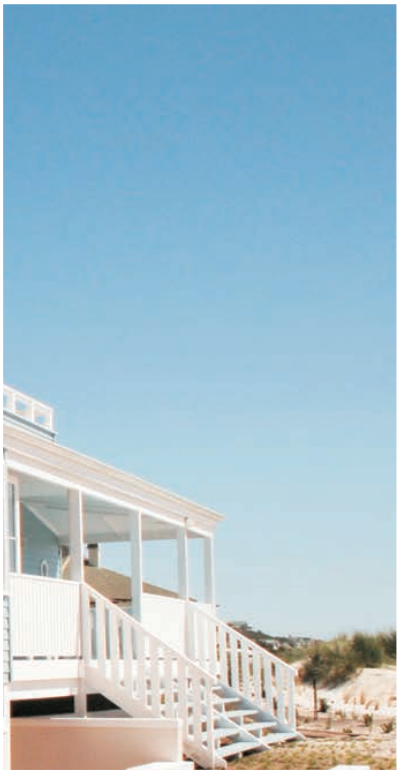
Manufactured by
EVERITE
Established in 1941

FASCIA & BARGE BOARDS









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Catalogue Information

The information contained in this catalogue serves as a general guide only and should not be accepted as the standard for all construction. EVERITE can assist in designs of a special nature, however, architects, engineers and specifiers must finally approve the acceptability in terms of the design and construction criteria, as well as other implications.

About Everite and Nutec

Everite Building Products

Everite Building Products, has been associated with the South African building industry since 1941. Producing a wide range of materials that satisfy the needs of the commercial, industrial and residential market sectors, Everite is renowned for its comprehensive range of Nutec Roofing and Cladding Solutions and includes fibre-cement roofing, cladding, ceilings and building columns amongst others.

Nutec fibre-cement high performance properties and added benefits include: the use of safe renewable fibres; considerable tensile strength with enhanced dynamic load bearing properties; excellent thermal properties; water and wind resistance; hail resistance; fire resistance and resistance to fungus, rodents and acid.

A programme of quality assurance in accordance with the requirements of the International Standards Organisation (ISO 9001:2015) is entrenched in Everite's process and management systems.
Quality of all products is continuously monitored as specified by the South African National Standards and recognised international bodies.

Everite's 54 hectare manufacturing facility near Johannesburg is well located and has immediate access to all major road and rail links to national destinations and major ports. The company has branches located at major centres throughout South Africa. Nutec products are distributed through leading stockists countrywide and an established export market further endorses the international acceptance of the Nutec Roofing and Cladding Solutions range of products.

Nutec

Nutec is the registered name for products manufactured without asbestos as a raw material. Nutec fibre cement products are manufactured using a mixture of cellulose fibre, cement, silica and water.

Through ongoing research and development, Everite Building Products are committed to provide product of world-class quality.

Accordingly, the Nutec product range is continuously reviewed not only in the interests of the end-user and superior product performance, but also with respect to its impact on the environment. Everite Building Products has over the years established a reputation for producing a variety of outstanding quality products which have been used in a wide range of external and internal applications.

Environmental benefits of Nutec Fibre Cement

- Environmental costs incurred by using fibre cement are measurably less than for other building materials. (Low embodied energy per m^2).
- Requires less energy in assembly and construction than all other wall materials except timber.
- Low energy consumption in transportation and installation.
- Environmental costs relating to ozone layer depletion, carcinogenic substances and solid waste emissions are almost negligible.
- Low environmental impact in relation to ozone layer depletion, carcinogenic substances, and solid waste emissions.
- No pesticides are involved in the manufacture or use of fibre cement.

The benefits of Nutec Fibre Cement

- The use of safe fibres.
- Considerable tensile strength with enhanced dynamic load bearing properties.
- Cost competitive.
- Excellent thermal properties.
- Water tight and wind resistant.
- Hail resistant.
- Fire-resistant.
- Fungus and rodent resistant.
- Acid resistant.
- Complies with SABS ISO 9933.
- ISO 9001 : 2015 Quality Management System.

The environmental benefits in the manufacturing process of Nutec Fibre Cement

- Recycling the water used in production many times.
- Recycling solid wastes.
- Using sustainable raw materials in production.

Embodied Energy – Definition

Embodied energy is the energy consumed by all of the processes associated with the production of a building, from the mining and processing of natural resources to manufacturing, transport and product delivery. Embodied energy does not include the operation and disposal of the building material. This would be considered in a life cycle approach. Embodied energy is the ‘upstream’ or ‘front-end’ component of the lifecycle impact of a home. Fibre cement is one of the most energy efficient materials on the market and it has one of the lowest embodied energy contents per square metre of cover of any building product.

Nutec Fascia and Barge Boards

The comprehensive range of Nutec Fascia and Barge Boards from Everite have been designed to suit virtually any roof, whether slates, tiles or sheeting. They provide a functional finish by protecting the underlying timber structure from the elements, as well as adding visual impact to the building. Nutec Fascia and Barge Boards are ideal to cover up or replace weathered or rotten timber fascias and boards on old buildings.

In high wind areas barge boards form an important component of the roof structure, as they protect slates or tiles from being dislodged by the wind at the gable ends.

Features

Nutec Fascia and Barge Boards exhibit all the inherent features of Nutec fibre-cement and provide a cost effective solution when compared to alternative materials.

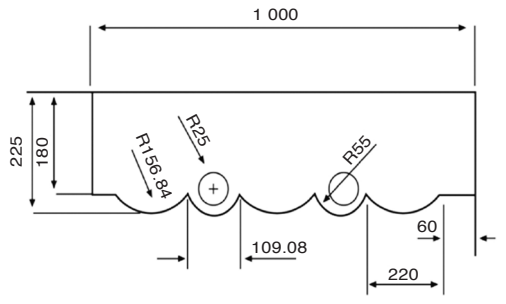
Nutec Fascia and Barge Boards are:

- Cost effective
- Light in weight and easy to cut and install (tungsten tip blades are needed to cut)
- Not affected by moisture and resistant to rot and corrosion
- Easy to paint and will accept any water-based paint without pre-treatment.

Nutec Fascia and Barge Boards Product Range, Dimensions and Properties

Nutec Fascia Boards

Product no.	Thickness mm	Size mm	Length mm	Average Mass per unit kg
Plain (Medium Density) Un-grooved				
040-906	10	150	3 000	6
040-904	10	225	3 000	10
041-237	10	300	3 000	13
041-231	10	150	3 600	8
040-903	10	225	3 600	12
040-902	10	300	3 600	15
041-201	12	150	3 000	8
041-202	12	225	3 000	11
041-203	12	300	3 000	15
041-204	12	150	3 600	9
041-205	12	225	3 600	14
041-206	12	300	3 600	18
Plain (Medium Density) Grooved				
042-423	12	150	3 000	8
042-434	12	225	3 000	11
042-426	12	300	3 000	15
042-443	12	150	3 600	9
042-454	12	225	3 600	14
042-446	12	300	3 600	18
Plain (High Density) – non stock item*				
041-501	15	150	3 000	11
041-502	15	225	3 000	16
041-503	15	300	3 000	22
041-504	15	150	3 600	13
041-505	15	225	3 600	20
041-506	15	300	3 600	26
Victorian fascias – non stock item*				
754- 510	6	225	1 000	2

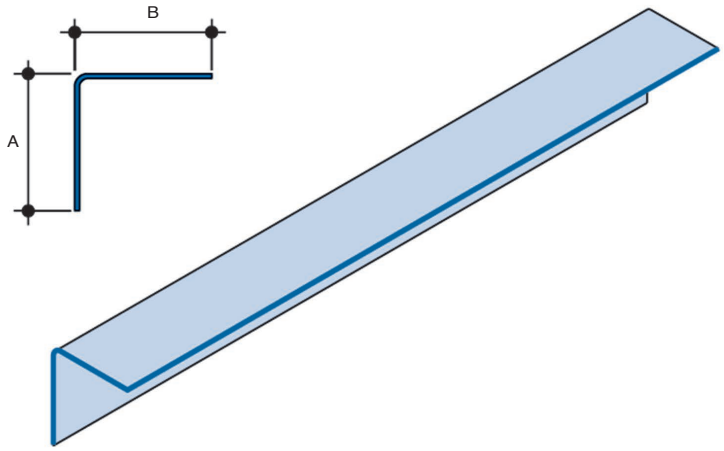


All dimensions in mm.

* Non-stock items : available on order. Lead Time : 2 to 3 weeks from date of order.

Nutec Barge Boards

Product no.	Size mm		Length mm	Average Mass per unit kg	Sketch of Article
	Dimension A	Dimension B			
Socketless 721-731	200	80	3 000	6,0	



Accreditation : SABS, SANS & ISO

Nutec Fascia and Barge Boards carry the SABS Mark under specification SANS 803: Everite is an accredited ISO 9001:2015 Quality Management System listed company.

General Design Criteria

Supporting Structure

To ensure a high standard of finish, it is essential that the supporting structure is accurate. Warped, twisted or poor quality timber work will reflect in the final appearance of the Nutec Fascia or Barge Boards.

Made to Order Barge Boards

Please check with EVERITE to obtain more specific information.

Fixing Accessories

A range of jointing systems for Nutec Fascia and Barge Boards is available from EVERITE and full details are given under Fixing Accessories.

Site Service

Site service personnel are available on request and at no charge, to provide assistance on recommended storage, handling and erection of the Company's products.

Safety, Handling and Storage Instructions

General

Manufactured from Nutec fibre-cement, Nutec Fascia and Barge Boards do not contain asbestos fibre and are therefore excluded from the following:

- Asbestos Regulations of 2001, which forms part of the Act No. 85: Occupational Health and Safety.
- South African Code SANS 10229: Packaging of dangerous goods for road and rail transportation in South Africa.

They do not pose any adverse effects on the environment. Off-cuts and dust created during site work may be disposed off on any non-hazardous waste landfill site.

Storage and Handling Instructions

General Handling

Nutec Fascia and Barge Boards are manufactured from a composite material containing cement and may be damaged under excessively high shock loads. Reasonable care should therefore be taken to ensure that the products are not dropped or subjected to rough handling.

Storage

- Prior to Installation Nutec Fascia and Barge Boards must remain on pallets and kept under cover until installed.
- Strict stock rotation should be adhered to.

Storage On-site:

- A suitable level compacted area must be made available where Nutec Fascia and Barge Boards can be stored safely so that they cannot be damaged or soiled by passing traffic.
- They must be stacked clear off the ground on suitable timber supports at maximum 400 mm centres.
- **Preplanning: Adequate preplanning of deliveries should be made to ensure that Nutec products are not stored on site for excessive periods. If this is unavoidable, they should be kept under cover until installed.**

Handling

- The creation of excessive dust while working with the product should be avoided and therefore the using of fast turning power tools such as angle grinders are not recommended.
- Ordinary carpenters' tools can be used effectively.

General Installation Guidelines

- All rafter ends, purlins and battens must be accurately lined up and trimmed.
- Where the spacing between the rafters is greater than 900 mm, supporting timber must be fixed between the rafters as additional support for the fascia boards. *Refer Fig. 2.*
- On gable ends trimmer battens must be fixed to the end of battens or purlins. This will provide a neat edge for the barge board and avoid fixing into end grain of the timber which is not good practice. *Refer Fig. 7.*
- Although Nutec Fascia and Barge Boards are nailable, when fixing near to the edge but not closer than 25 mm, holes must be drilled and not punched.

An ordinary hand drill and steel drill bits specially sharpened to a 20° angle are recommended.
Do not use hammer drills and masonry bits.

Installation Procedures

General

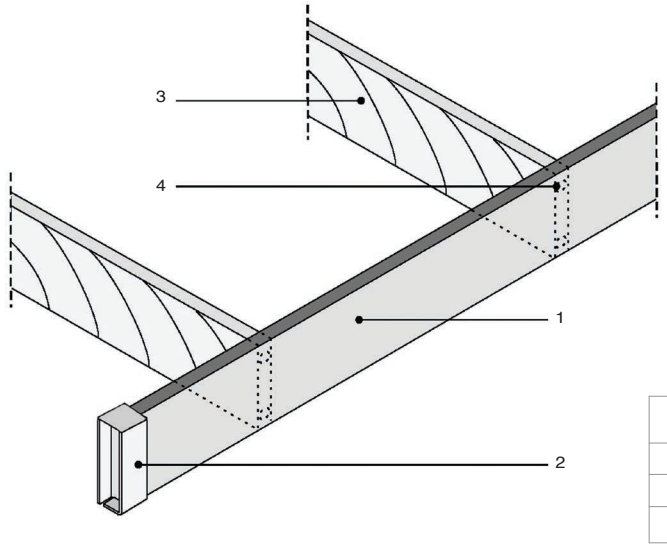
- Nutec Fascia and Barge Boards can be fixed directly onto the timber structure using nails or wood screws.
- Joints of Nutec Fascia and Barge Boards should not be made at the fixing points but between them.
- Nutec Fascia and Barge Boards do not require paint for protection, but will accept any water based paint without pre-treatment.
- Ideally, painting of the Nutec Fascia and Barge Boards should be done prior to erection with only touching up to be done after installation.
- Nail and screw heads must be coated with a rust-resistant undercoat before painting.

Nutec Fascia Boards

The sketches which follow will assist with the correct installation of Nutec Fascia Boards.

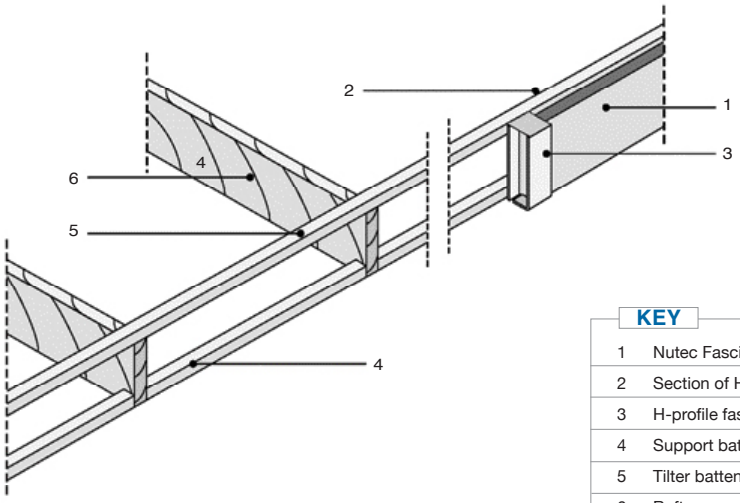
Supporting Structure

Fig 1 : Normal Fixing without additional support structure



KEY	
1	Nutec Fascia
2	H-profile fascia joiner
3	Rafter
4	Fixing holes

Fig 2 : Additional Support Required For Nutec Fascia Boards Where Distance Between Rafters Exceeds 900 mm



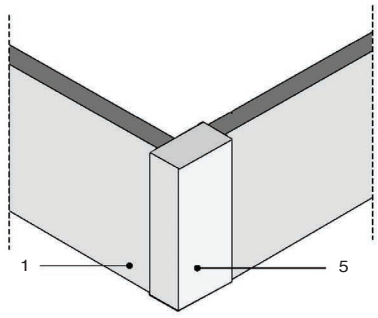
KEY	
1	Nutec Fascia Board
2	Section of H-profile to be bent over
3	H-profile fascia joiner
4	Support batten if span more than 900 mm
5	Tilter batten
6	Rafter

Jointing Systems

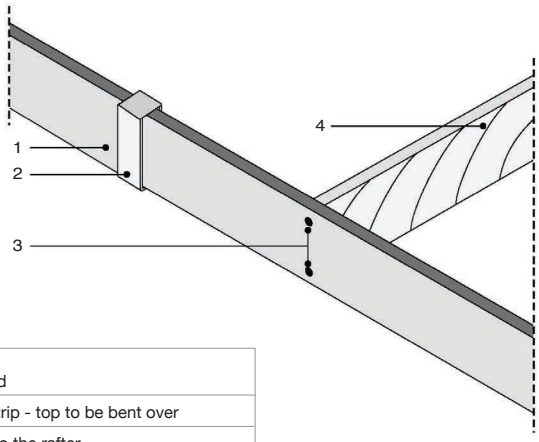
Various jointing systems for Nutec Fascia Boards are illustrated in *Fig 3* and *Fig. 4*.

Fig 3 : Joint Detail Using H-Profile Fascia Joiners

H-PROFILE CORNER JOINT

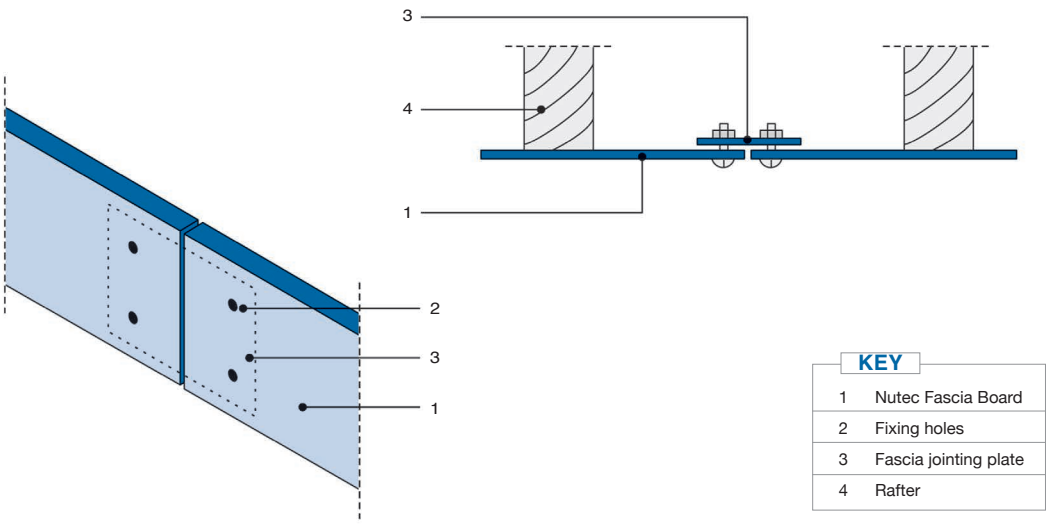


H-PROFILE FASCIA JOINER



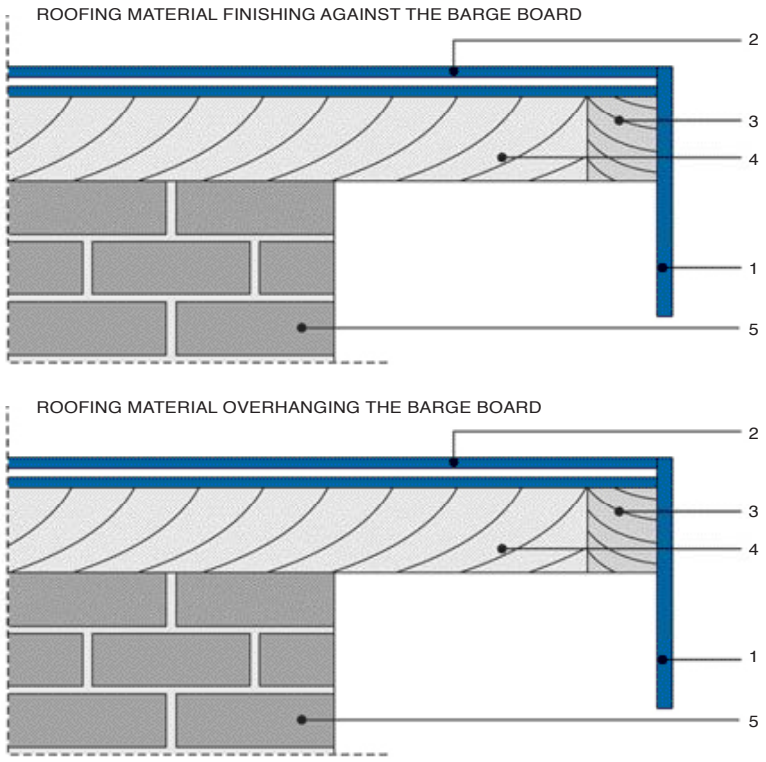
KEY	
1	Nutec Fascia Board
2	H-profile jointing strip - top to be bent over
3	Fixing positions into the rafter
4	Rafter
5	H-profile corner fascia joiner - top to be bent over

Fig 4 : Joint Detail Using Fascia Jointing Plate



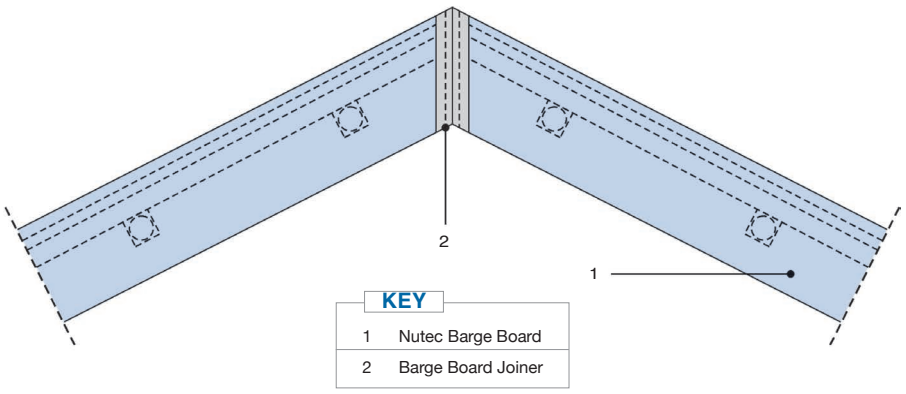
KEY	
1	Nutec Fascia Board
2	Fixing holes
3	Fascia jointing plate
4	Rafter

Fig 5 : Two Methods That Can Be Employed When A Nutec Fascia Board Is Used As A Barge Board



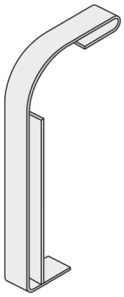
KEY	
1	Nutec Fascia Board
2	Roofing Sheet/Slate
3	Trimmer Batten
4	Batten
5	Masonry Wall

Fig 8 : Joint Detail For Nutec Barge Boards At Apex Of Roof



Nutec Fascia and Barge Boards Fixing Accessories

Barge Board Joiners

Product No.	Description	Size mm	Average Mass kg	Sketch of Article
685-231	**Plastic H-Profile Barge Board Joiners**	200 x 80	0,1	
685-087	**Steel H-Profile Barge Board Joiners**	200 x 80	0,1	

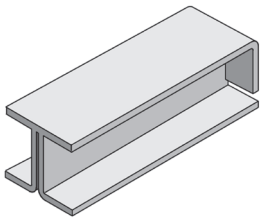
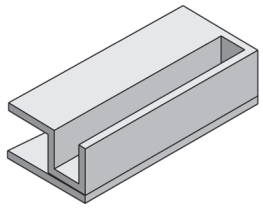
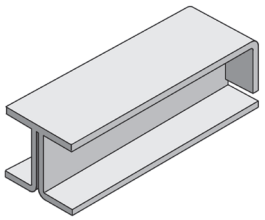
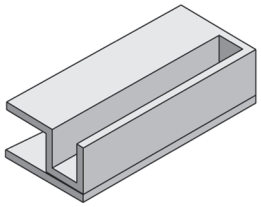
Victorian Fascia Joiners

Product No.	Description	Size mm	Average Mass kg
685-089 685-979	**Victorian Fascia Joiners Chromaprep** *Non-stock items : Available on order*	180 x 6 180 x 9	0,04 0,06

Screws and Nails

Use hardened steel nails with fluted shanks for best results. An alternative method would be to use No. 12 x 40 mm brass wood screws with countersunk heads.

Nutec Fascia Joiners

Product No.	Description	Size mm	Average Mass kg	Sketch of Article
	H-profile Fascia Joiners - Plastic			
685-240		150 x 10	0,05	
685-241		225 x 10	0,07	
685-242		300 x 10	0,09	
685-243		150 x 12	0,05	
685-244		225 x 12	0,07	
685-245		300 x 12	0,09	
685-246		150 x 15	0,05	
685-247		225 x 15	0,07	
685-248		300 x 15	0,09	
	H-profile Fascia Corner Joiners - Plastic			
685-260		150 x 10	0,05	
685-261		225 x 10	0,07	
685-262		300 x 10	0,09	
685-263		150 x 12	0,05	
685-264		225 x 12	0,07	
685-265		300 x 12	0,09	
685-266		150 x 15	0,05	
685-267		225 x 15	0,07	
685-268		300 x 15	0,09	
	H-profile Fascia Joiners - Steel			
685-090		150 x 10	0,05	
685-091		225 x 10	0,07	
685-092		300 x 10	0,09	
685-093		150 x 12	0,05	
685-094		225 x 12	0,07	
685-095		300 x 12	0,09	
685-096		150 x 15	0,06	
685-097		225 x 15	0,08	
685-098		300 x 15	0,10	
	H-profile Fascia Corner Joiners - Steel			
685-100		150 x 10	0,05	
685-101		225 x 10	0,08	
685-102		300 x 10	0,10	
685-103		150 x 12	0,06	
685-104		225 x 12	0,09	
685-105		300 x 12	0,12	
685-106		150 x 15	0,06	
685-107		225 x 15	0,08	
685-108		300 x 15	0,10	

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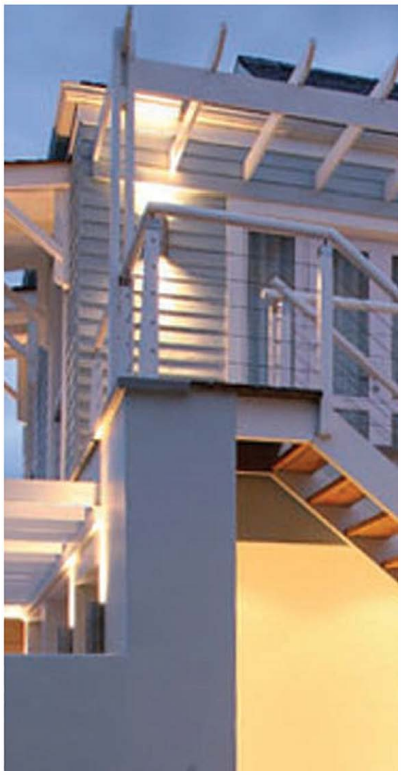

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