

lasting strength
with fibre-cement

nutec
ROOFING AND CLADDING SOLUTIONS

Manufactured by
EVERITE
Established in 1941

BIGSIX ROOFING





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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, wholly owned by JSE listed Group Five, 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 9001:2008) 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 m²).
- 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 : 2008 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.

FEATURES

Nutec Bigsix Roofing Sheets

Nutec Bigsix Roofing sheets form part of the Nutec roofing range which includes the Nutec Victorian profile and Nutec Slate roofing. Favoured for more than seven decades in all sectors of the building industry, the range is renowned for years of trouble free roofing and offers designers and specifiers freedom and flexibility when functional, aesthetic and cost criteria need to be met.

The rugged robust statement made by Nutec Bigsix makes it a popular choice amongst developers and housing authorities involved in the delivery of affordable homes. The functional properties of Nutec Bigsix roof sheeting provides the key ingredients required of a high performance roof without the premium price tag.

■ Features

Colour

Nutec Bigsix roofing is supplied in its natural colour and can be painted with a 100% acrylic PVA after erection. It is available with a factory applied high performance coating which is available in a range of standard roofing colours. These can be viewed on www.everite.co.za.

Durability

Nutec Bigsix sheets have been evaluated for durability by the SABS. The two tests used are Heat-Rain and Warm-Water. It complied fully with the requirements of both these tests. (SABS reports, No.788/715/MT04 and 5546/85413/00).

Adaptable

Nutec Bigsix sheets are excellent for roofing and side cladding for all types of buildings e.g. private houses, industrial, commercial and agricultural buildings, where economy and durability are essential factors. (They also lend themselves to interior and exterior decorative uses.)

Economical

Nutec Bigsix sheets can be regarded as one of the most economical cladding product on the market.

Thermal Insulation

Nutec Bigsix sheets have excellent thermal properties. The thermal conductivity (K-Value) of Nutec material is approximately 0.346 W/m.K or 0.346 W/m.°C.

Test method ASTM C518; Ortech report no. 98-J53-M0207.

Fire Resistant

Nutec Bigsix sheets are Non-Combustible and have a Class 1 Spread of Flame Index when evaluated in accordance with SANS 10177: Parts V and III respectively. This means the product will not ignite in a case of fire and would also not contribute to the spread of flames.

(SABS reports No. 5409/83388/98A, No. 5409/83388/98B and No. FPE/84501/04).

Nutec Bigsix sheets will not explode under conditions of high temperature, unlike asbestos containing products. It can be used in applications with continuous temperature not exceeding 150°C.

Fungal Resistance

Nutec Bigsix sheets are resistant to white and brown rot according to BS 1982; Parts 1 and 3.
(SABS report No: 1159179/R4689).

Acid Resistance

Nutec Bigsix sheets are resistant to acids according to the method given in specification SANS 685:1985. Nutec Bigsix sheets have an Acid Resistance of 0.098 g/cm², compared to the maximum allowable value of 0.115g/cm² required in the specification SANS 685.
(SABS report no. 5544/1168235/98).

Hail Resistance

Nutec Bigsix sheets withstood impact by hailstones up to a diameter of 37 mm without any visible damage when evaluated according to the method ASTM E822.
(SABS report no. 3023/1037841/98).

Water Tightness

Nutec Bigsix sheets are non-permeable when tested according to SANS 685 and SANS 9933. Darkening is normal because of moisture absorption, but sheets will not leak.
(SABS reports No. 5544/1168235/98 and No. 7228/715/MT04).

Nutec Bigsix sheets also complies with the requirements for the Water Penetration Tests as described in Sections L1b and c of SANS 10400: The Application of the National Building Regulations.

Rodent Resistance

Nutec Bigsix sheets have been evaluated by the SABS according to SANS 5419 for Rodent Resistance and have been awarded a rating of Class B1.
(SABS report no. 1254985/S048).

PHYSICAL PROPERTIES AND DIMENSIONS

■ Nutec Bigsix Product Range, Dimensions and Physical Properties

Nutec Bigsix Standard Lengths (Grey)

1500 mm lengths non-stock product - cut to order.

Factory colour coated Bigsix: refer to www.everite.co.za for product codes and colour range.

Product No.	Length	Mass per Unit (kg)
370-050	1 500 mm	16
370-060	1 800 mm	19
370-070	2 100 mm	23
370-080	2 400 mm	26
370-090	2 700 mm	29
370-100	3 000 mm	32
370-110	3 300 mm	36
370-120	3 600 mm	39

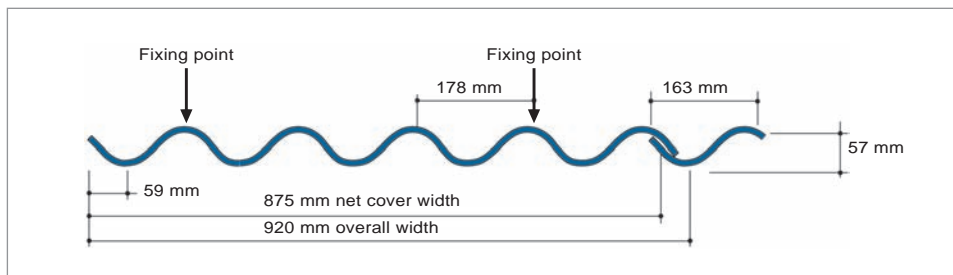
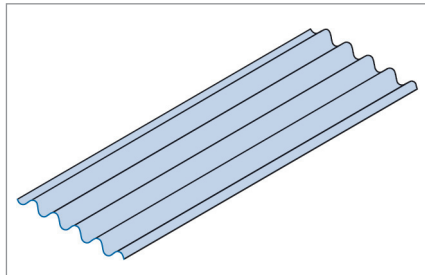


TABLE 1

Physical Properties and Dimensions

Overall width	920	mm
Net cover width	875	mm
Maximum clear span (roof)	1 400	mm
Maximum clear span (side cladding)	1 800	mm
Maximum end cantilever	300	mm
Average mass of roof area laid	12.5	kg/m ²
Corrugation height	57.5	mm
Minimum pitch	10	degrees
Nominal thickness	6.0	mm
Moment of inertia (approximately) per 1m	239	cm ⁴
Positive section modulus per m	82.9	cm ³
Minimum wet Breaking Load over 1400mm span	2.50	kN/m width
Youngs Modulus (Typical Value)	5 000	N/mm ²
Wet Equilibrium Conditions (+/- 50% RH, +/- 23°C)	4 300	N/nm ²

Accreditation : SABS, SANS & ISO

Nutec Bigsix sheets carry the SABS Mark under specification SANS 9933: Products in fibre-reinforced cement – Long corrugated or asymmetrical section sheets and fittings for roofing and cladding.

Everite is an accredited ISO 9001: 2008 Quality Management System listed company.

DESIGN CRITERIA

General Design Criteria

High Wind Conditions

Nutec Bigsix sheets have considerable strength with enhanced dynamic load-bearing properties. A structural engineer should be used for design purposes. Reference should be made to the Code of Practice for Fibre-cement Profiled Roofing and Wall Cladding, the structural code SANS 10237 and the structural code SANS 10160.

Purpose-Made Fittings

Non standard structural items are available on request, subject to price confirmation and manufacturing lead times of 8-12 weeks from date of order.

Fixing Accessories

A specially designed range of fixing accessories for Nutec Bigsix corrugated sheets is obtainable from EVERITE, full details are scheduled under Fixing Accessories.

Do not allow the use of non-approved, and often inferior, fixing accessories.

EVERITE reserves its right to withdraw its guarantees if non approved fixing accessories are used.

Contact EVERITE sales office if in doubt.

Site Service

Service personnel are available on request to provide assistance on recommended storage, handling and erection of the EVERITE's products, before and during installation.

Safety, Handling and Storage Instructions

■ General

Manufactured from Nutec fibre-cement, Nutec Bigsix Roofing sheeting and fittings 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.

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

■ Safety

Installation and maintenance

- Use duckboards as walking areas on the roof to avoid damage to sheets and injury to workers.
- Wear soft soled shoes for better grip.
- Do not carry heavy loads over completed areas of the roof or use these as staging posts for the next section.
- Do not exceed recommended purlin spacing.

■ Handling and Storage Instructions

General Handling

Nutec Bigsix Roofing sheets 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.

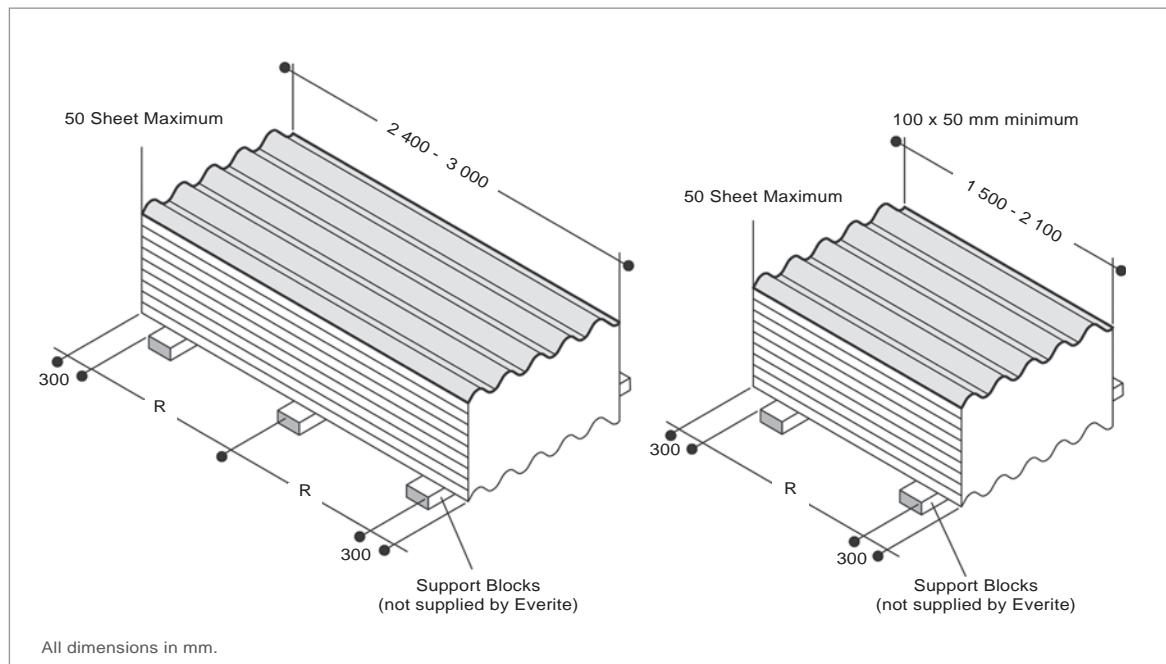
Storage

- Prior to Installation Nutec Bigsix Roofing sheets should remain on pallets and kept under cover until installed.
- Strict stock rotation should be adhered to.

Storage On-site:

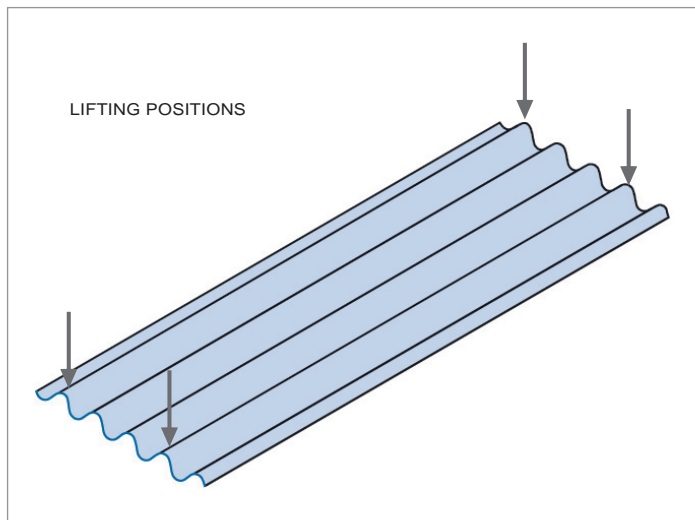
- A suitable level compacted area must be made available where sheets can be stored safely so that they cannot be damaged or soiled by passing traffic.
- **Preplanning: Adequate preplanning of deliveries should be made to ensure that Nutec products are not stored on site for excessive periods. If this is unavoidable, they should be kept under cover until installed.**
- Stack sheets on 75 mm x 50 mm rough sawn timber bearers at maximum 1400 mm centres and not more than 150 mm from the end of the sheet. Individual stacks should be limited to maximum 50 sheets per stack.

PRODUCT HANDLING



Handling

- Sheets up to 3.6 meters in length are handled manually by two persons - one at each end.
- Sheets should be lifted at the crowns away from the extreme edges of the sheet as shown in diagram below.



Installation Procedures

Nutec Bigsix Roofing sheets properly laid and fixed in accordance with recommendations will provide many years of trouble-free protection from the elements.

Failure to follow these recommendations could however result in product failures and generally unsatisfactory product behaviour which might be difficult and costly to rectify.

■ Step 1

Check the roof or side cladding structure for:

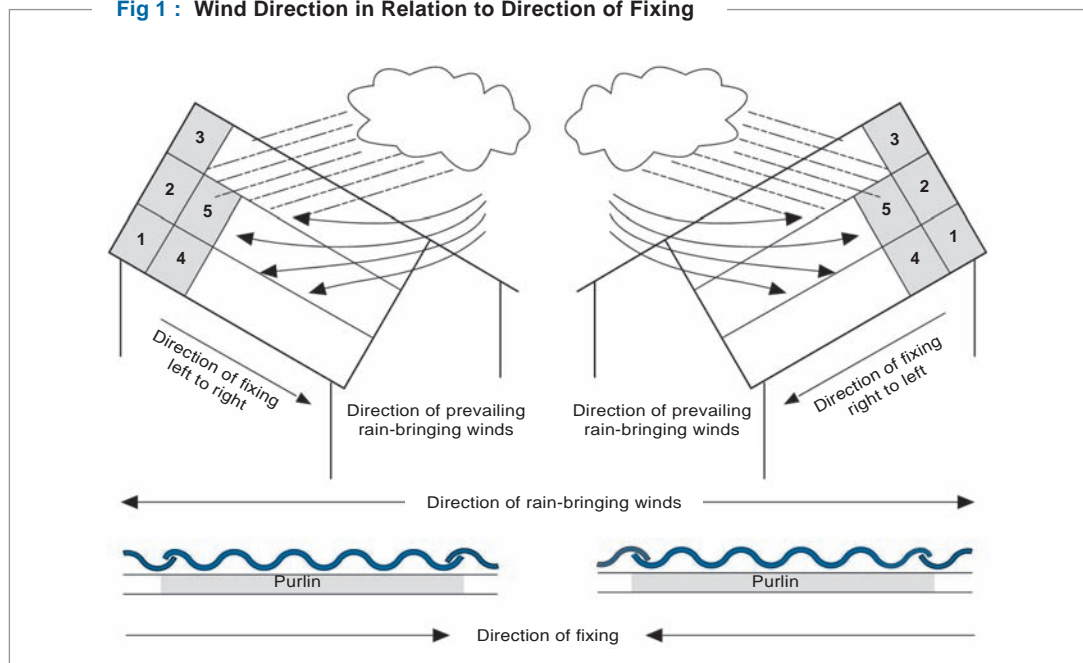
- Readiness for sheeting.
- Purlin spacing
 - Roof: max 1 400 mm
- Lining up of tops of purlins or sheeting rails.
- Mitre-joints of purlins should be staggered on rafters.

In the event of observing any problems rectify or consult the main contractor.

■ Step 2

Determine the direction in which the sheets are to be laid, bearing in mind the direction of the prevailing winds and rain. *Refer Fig. 1.* Consult an Architect or Engineer if in doubt.

Fig 1 : Wind Direction in Relation to Direction of Fixing



NB: The fixing is in the direction opposite to the direction of the prevailing rain-bringing winds.

INSTALLATION PROCEDURES

■ Step 3

Check width of roof or cladding area against the cover width of sheets to determine correct starting point, and mark on purlin. [Refer Table 2.](#)

TABLE 2

Net Cover width of Nutec Bigsix Sheets

No. of sheets	Net Cover m	No. of sheets	Net Cover m	No. of sheets	Net Cover m
1	0,920	11	9,670	21	18,420
2	1,795	12	10,545	22	19,295
3	2,670	13	11,420	23	20,170
4	3,545	14	12,295	24	21,045
5	4,420	15	13,170	25	21,920
6	5,295	16	14,045	26	22,795
7	6,170	17	14,920	27	23,670
8	7,045	18	15,795	28	24,545
9	7,920	19	16,670	29	25,420
10	8,795	20	17,545	30	26,295

■ Step 4

Square the roof by marking a line from eave to ridge running square with the ridge purlin through the starting point, previously identified and marked.

Measure 920 mm along the ridge and eaves from the starting point. Secure a line along these two points and lay the first row of sheets. For the next row, eaves to ridge, measure 875 mm and move the line over to these points and lay the next row of sheets against the line. In all succeeding rows repeat this procedure and check the net cover of the sheets against [Table 2.](#)

Side lap templates are also free of charge to assist in gauging the side lap - [see Fig 3.](#)

■ Step 5

Determine correct end laps to suit roof pitch. [Refer Table 3.](#)

Positioning of end laps in relation to purlins is illustrated in [Fig. 2.](#)

TABLE 3

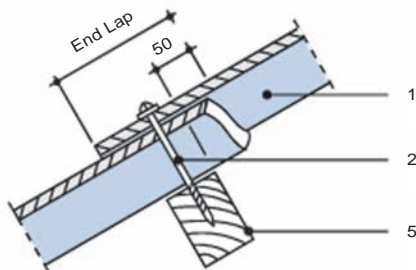
Minimum End Lap size for Roof Pitches

Roof Pitch	17.5° and over	12.5° to 17°	10° to 12°
Min. end lap	150 mm	225 mm	300 mm

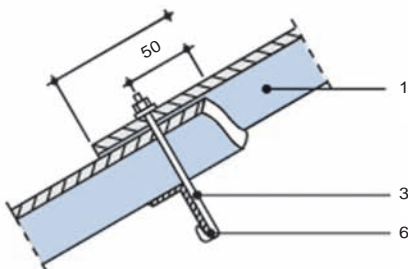
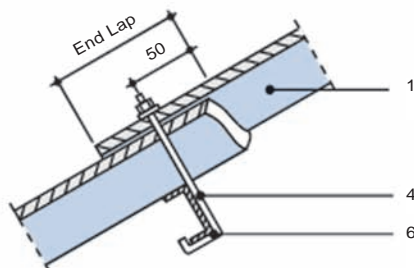
NB: The information provided in this table is a guide for normal exposure. Where abnormal weather conditions, either wind or rain, are known to exist, alternative solutions should be considered and a Structural Engineer should be consulted for advice.

Fig 2 : Position of End Laps in Relation to Purlins

FIXING TO TIMBER PURLINS



FIXING TO STEEL CHANNEL PURLINS



KEY

1	Nutec Bigsix sheet
2	Drive screw with Everseal washer
3	Hook bolt with Everseal washer
4	Channel bolt with Everseal washer
5	Timber purlin
6	Steel purlin
For length of end lap refer Table 3	

NB: Sheets must project a minimum 50 mm past the purlin as shown.

INSTALLATION PROCEDURES

■ Step 6

Lay one row of sheets loose with smooth side up from eave to ridge along the starting line previously marked to determine exact length of overlap and mitre-maximum 300 mm.

Mark out mitres using side lap template and cut. *Refer Fig. 3.*

Template available at no charge from EVERITE.

Fig 3 : Lap Gauge

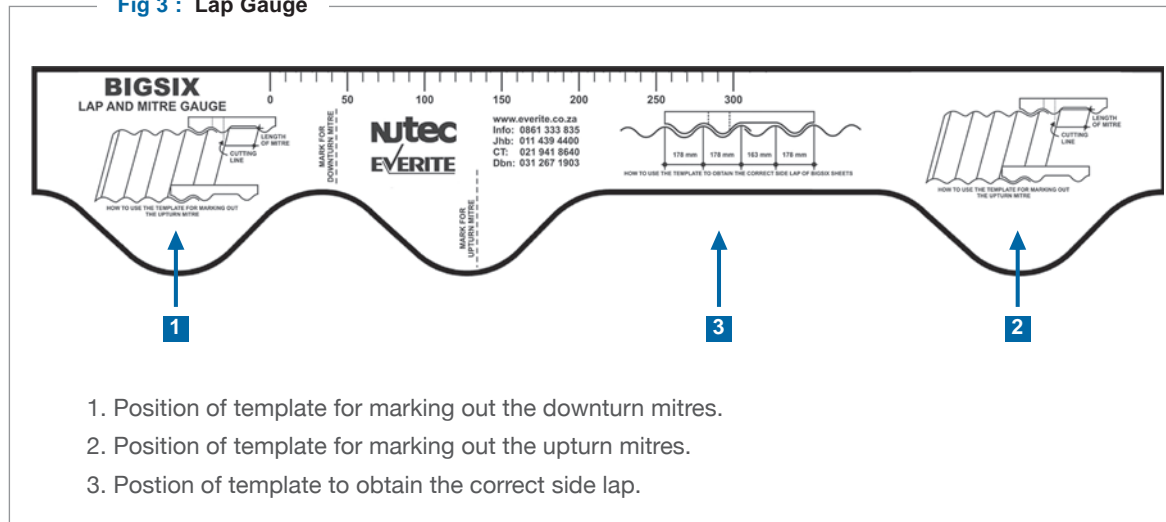
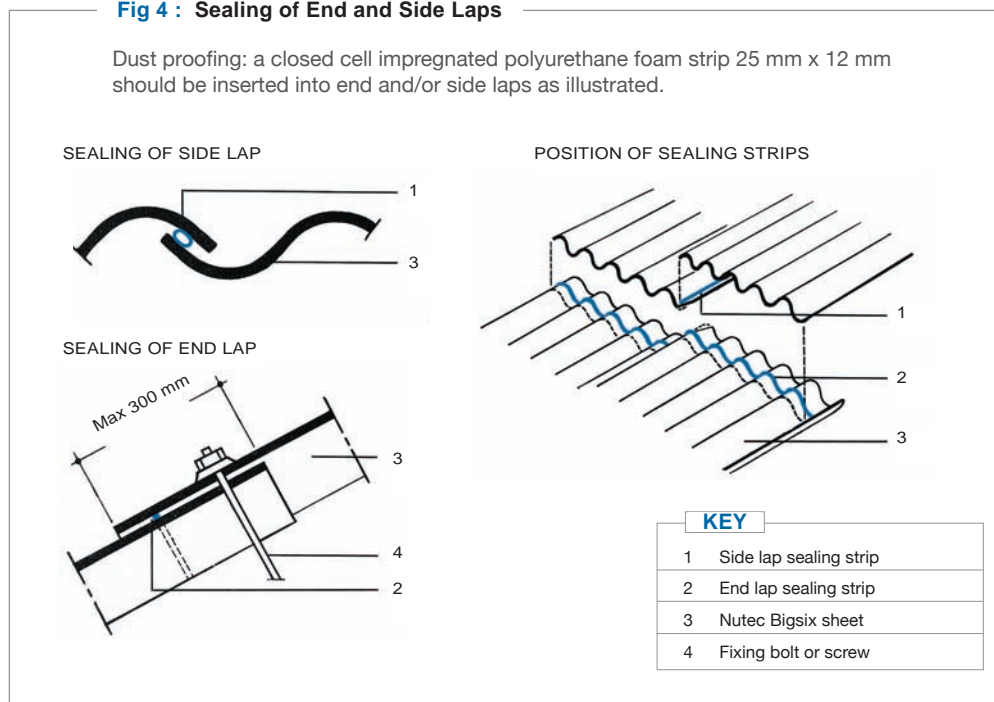


Fig 4 : Sealing of End and Side Laps

Dust proofing: a closed cell impregnated polyurethane foam strip 25 mm x 12 mm should be inserted into end and/or side laps as illustrated.



Mitring

To avoid point loads and potential leakages due to overlapping of four sheets at the intersection between end and side laps, the two centre sheets must be mitred. Certain fittings also require mitring.

Details of Mitre:

The length of end lap determines the length of the mitre. For mitring details refer [Fig. 4A](#) and [Fig. 4B](#).

Fig 4A : Details of Mitres for Nutec Bigsix Corrugated Sheets

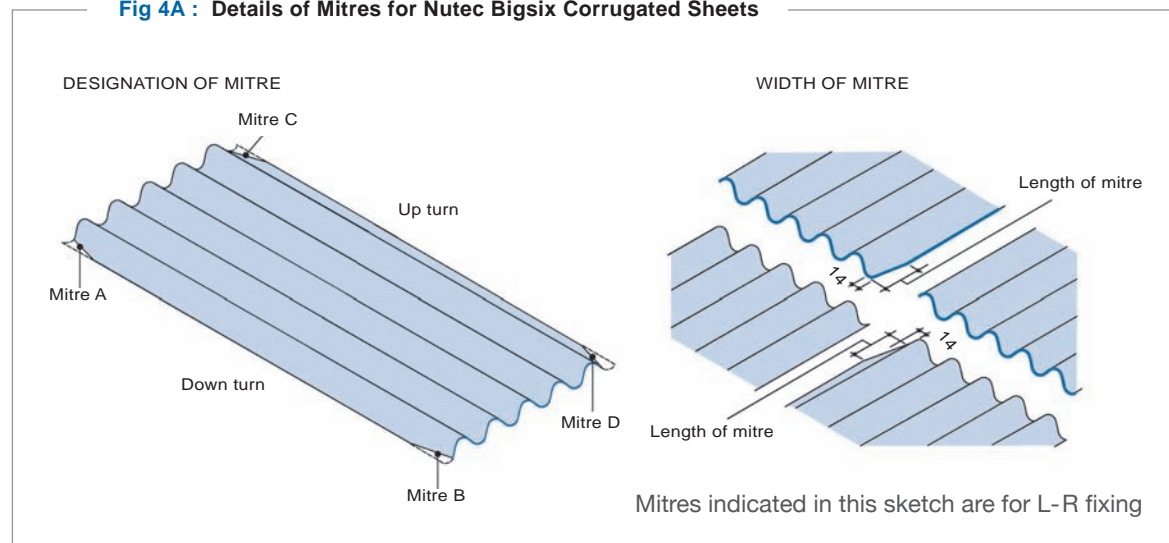
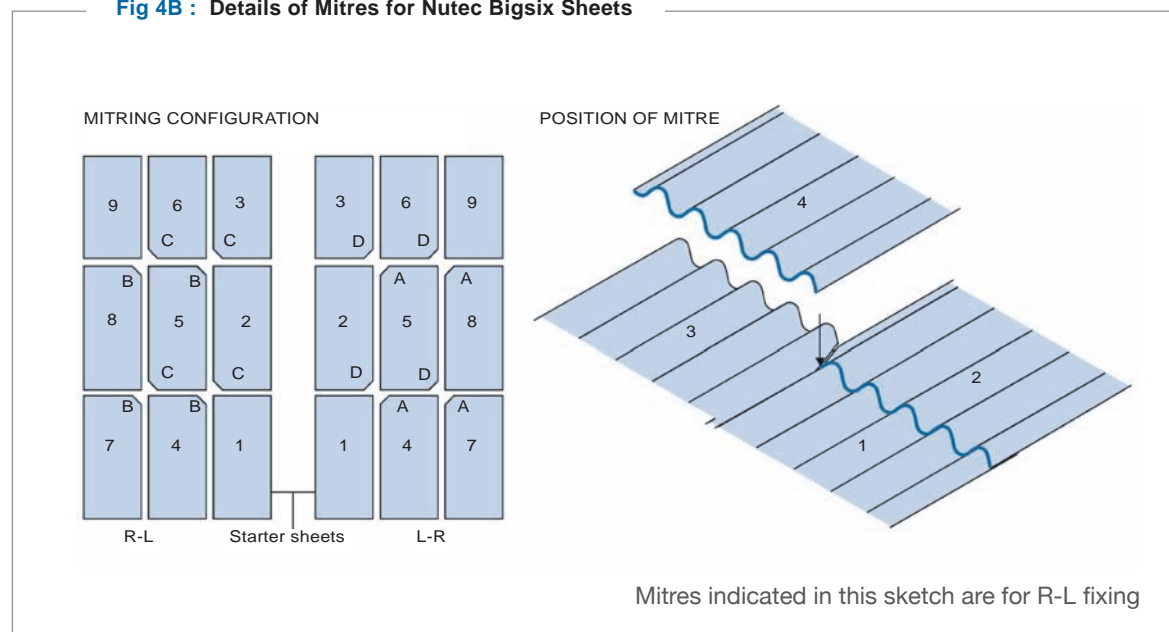


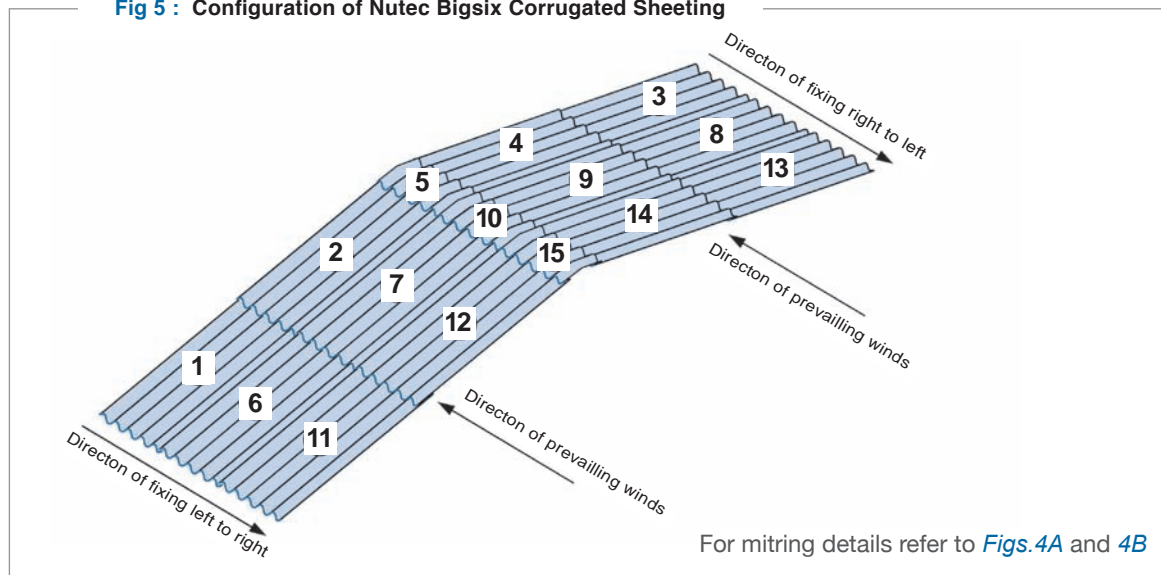
Fig 4B : Details of Mitres for Nutec Bigsix Sheets



NB: Numbers indicate fixing sequence

INSTALLATION PROCEDURES

Fig 5 : Configuration of Nutec Bigsix Corrugated Sheetting



NB: Numbers indicate fixing sequence.

■ Step 7

Lay and fix the first row of sheets from eave to ridge along the starting line. For fixing points refer [Fig. 6](#). Sheets should now be laid in rows ensuring that the corrugations on both sides of the roof slope are in line. Check the lap at top and bottom of each sheet to ensure that sheets are parallel.

Use the side lap template illustrated in [Fig. 4A](#) and [Fig. 4B](#) to maintain the correct side lap.

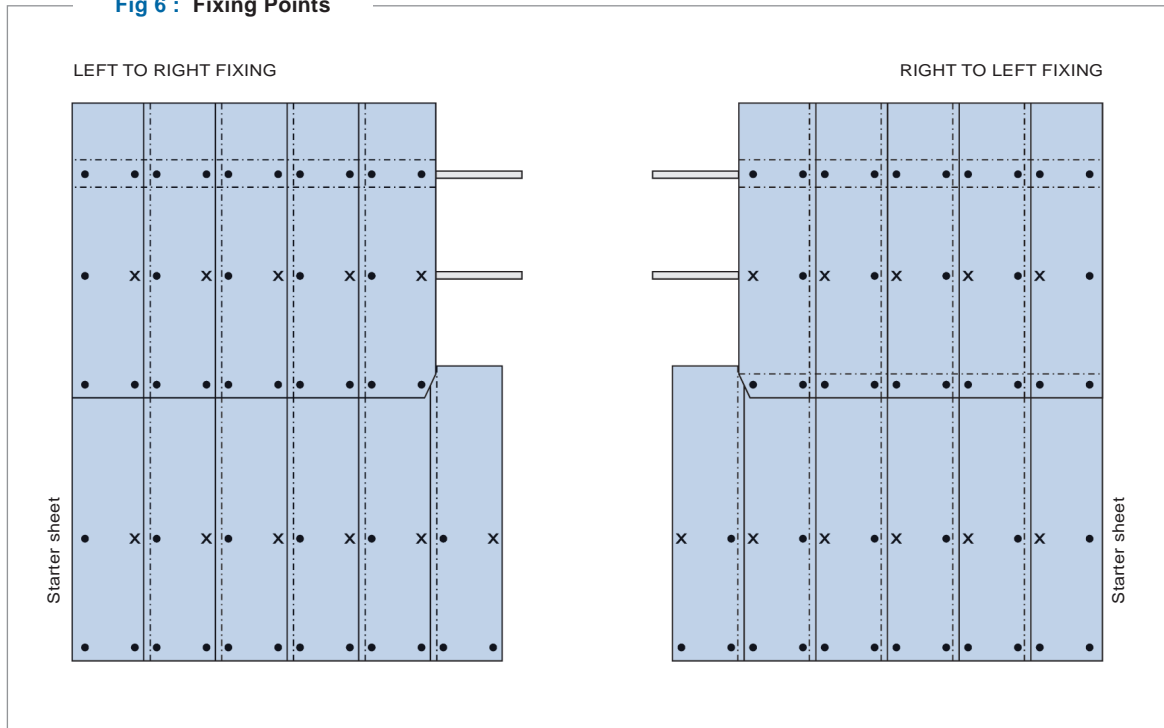
This is most important to facilitate accurate fitting of the close fitting fixed angle or adjustable ridge capping. Refer [Fig 8 to Fig 13](#) before installing ridge capping.

For configuration of roof sheeting refer [Fig. 4B](#).

As an extra precaution check the net cover width after every five rows. Refer to [Table 2](#).

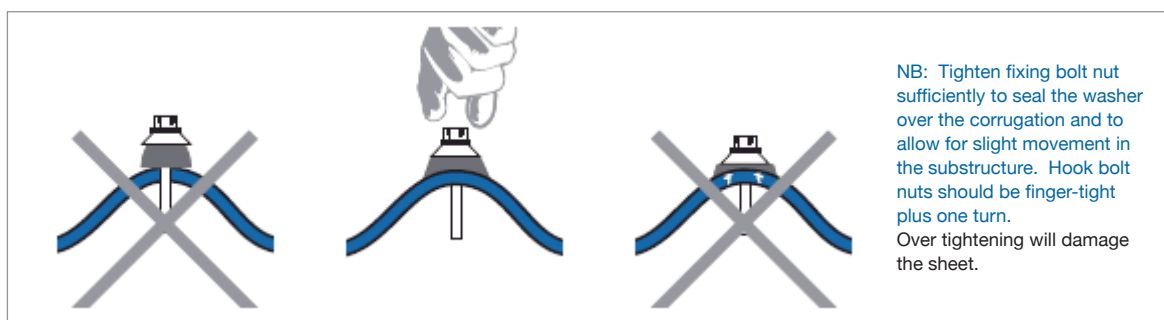
Reflected sunlight shining directly onto the side lap area may be visible from the underside of the side lap corrugation. This is due to the sheet being designed with a slight gap at the side lap to allow for movement in the sheet or substructure. This will, however, not affect the water-tightness of the roof.

Fig 6 : Fixing Points



Fixing Points

- Fixing holes must be drilled and not punched as this may induce cracking of the sheet. An ordinary hand drill and drill bits specially sharpened to an angle of 20° are recommended. Use of these bits reduces the need for re-sharpening when compared with conventional drill bits. Do not use hammer drills and masonry drill bits.
- The drill bit diameter must be 2 mm larger than the diameter of the fixing bolt or screw.
- Holes must always be drilled through the crown of the corrugation.



NB: Tighten fixing bolt nut sufficiently to seal the washer over the corrugation and to allow for slight movement in the substructure. Hook bolt nuts should be finger-tight plus one turn. Over tightening will damage the sheet.

INSTALLATION PROCEDURES

Speed fixing systems

Speed fixing systems which meet the following requirements can also be used with Nutec Bigsix corrugated sheets.

- When using timber purlins, the pull out force should be at least equivalent to that of a drive screw, i.e. not less than 1,75 KN.
- A washer system equivalent to the recommended Everseal washer system should be used to seal, distribute live load and to avoid the fixing pulling through the roof sheet.
- For recommendations with regard to the number and placing of fixings, refer to [Fig. 6](#).
- Holes for fixings must be 2 mm larger in diameter than the fixing accessory and are predrilled.
- Fixings must not be over tightened.
- Correct length of fasteners must be used bearing in mind the extra overall depth of the sheets at laps.
- Length of fastener for fixing into timber purlins - 115 mm.
- Length of fastener for fixing into steel purlins - 90 mm.

Side Cladding Installation Procedures


The general rules for roofing also apply to side cladding.

Important differences are:

- Sheeting rails spacing can be increased to 1800 mm.
- Two fasteners per sheet must be used on every sheeting rail.
- Anti-sag rods must be installed between sheeting rails.

Substructure Recommendations for Nutec Bigsix – All types of buildings in all areas

TABLE 4

Timber Requirements for Substructure						
	Size of timber purlins in mm					
	Height	Width	Height	Width	Height	Width
	76	50	114	76	152	76
Purlin spacing	Rafter spacing					
1 050	1 600		2 700		3 600	
1 200	1 500		2 550		3 400	
1 350	1 450		2 450		3 300	

Purlin sizes

Table 4 above gives an indication of purlin sizes required for varying purlin and rafter spacings.

The services of a Structural Engineer should always be obtained to achieve maximum economy of material, especially on large scale projects.

Timber requirements for Buildings in cities and suburbs

The recommendations are only valid for buildings in cities and suburbs to 7.5 m maximum height. (Wind Categories 3 and 4 as per SANS 10160). It excludes buildings in exposed areas, in geographical areas less than 30 km from the coastline and in Beaufort West areas (Wind Categories 1 and 2 as per SANS 10160).

A Structural Engineer should be consulted in both cases.

Recommended Metal Purlins for Single Storey Structures

Purlin details	Maximum clear spans
100 x 50 x 20 x 2 LC	4 200 mm
125 x 50 x 20 x 2 LC	5 000 mm
125 x 65 x 20 x 2 LC	5 300 mm
150 x 65 x 20 x 2 LC	6 100 mm

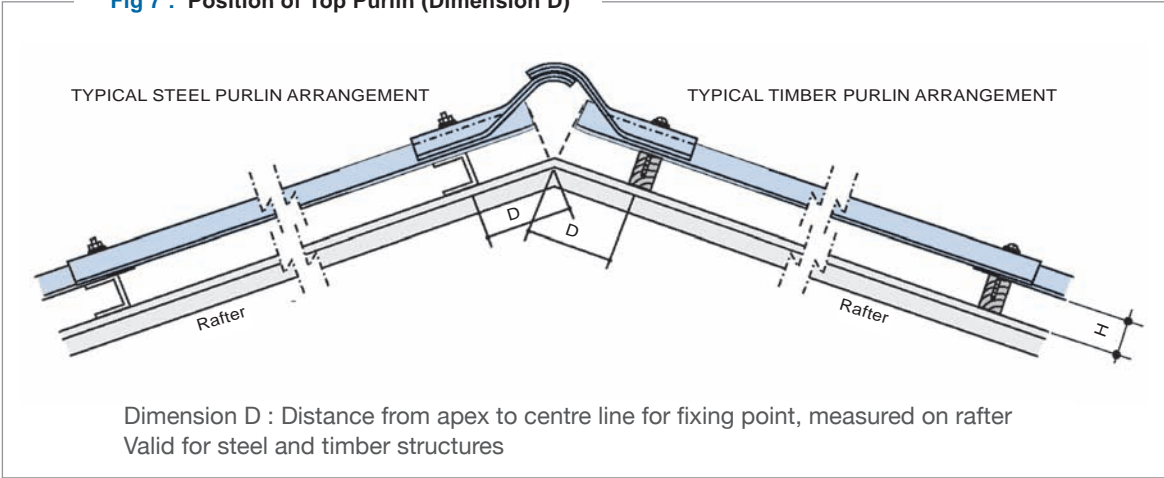
Assumptions:

- Deflection Limits at Span/240
- Purlins are spanning between gable with no internal wall support.

A Structural Engineer should be consulted for the design of larger structures.

SUBSTRUCTURE RECOMMENDATIONS

Fig 7 : Position of Top Purlin (Dimension D)



NB: Refer Table 5, for the position of top purlin (Dimension D) for different purlin heights.

TABLE 5

Position of Top Purlin for Different Purlin Heights (Dimension D)			
Height of purlin mm	76	114	152
Pitch of roof	Dimension D in mm		
10°	180	180	170
15°	170	160	150
20°	160	150	130
25°	150	130	120
30°	140	120	90

Nutec Bigsix Roofing Accessories

■ Nutec Bigsix Close Fitting Adjustable Ridge Capping (Grey)

Product No.	Size	Mass per Unit (kgs)
720-000	875 mm	5
720-010	875 mm	5

■ Nutec Bigsix Close Fitting Adjustable Ridge Capping (Terracotta)

Product No.	Size	Mass per Unit (kgs)
730-002	875 mm	5
730-012	875 mm	5

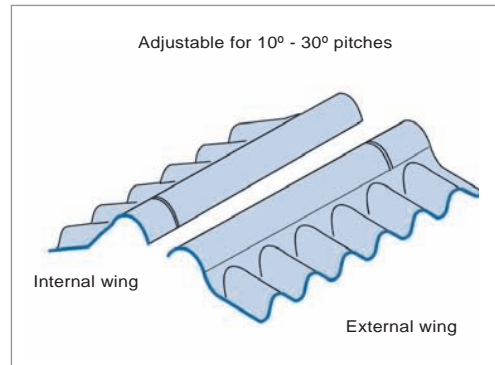
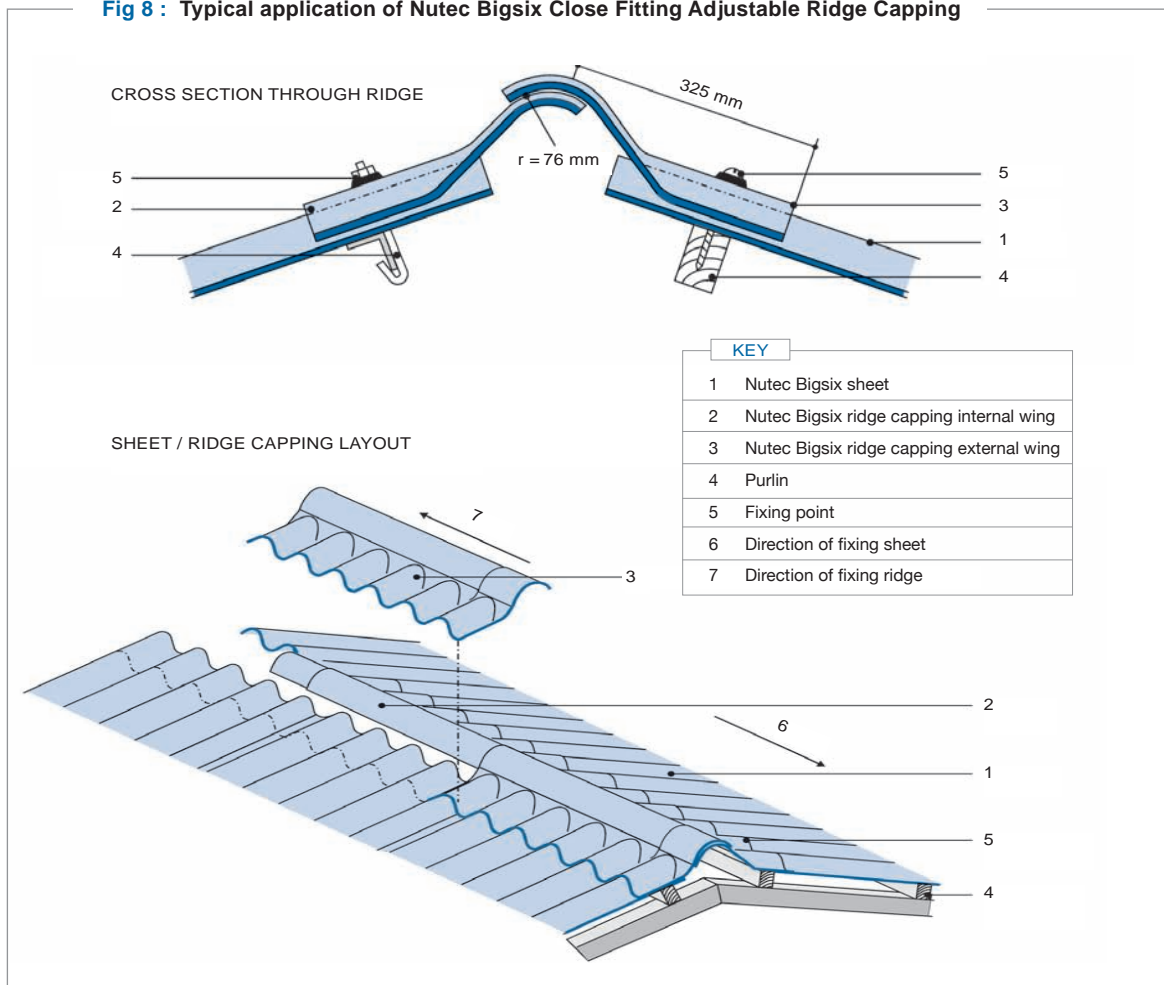


Fig 8 : Typical application of Nutec Bigsix Close Fitting Adjustable Ridge Capping



NB: Nutec Ridge capping must be fixed in the opposite direction to that of the Nutec Bigsix sheets.

ROOFING ACCESSORIES

Nutec Bigsix Close Fitting Adjustable Ridge Capping installation

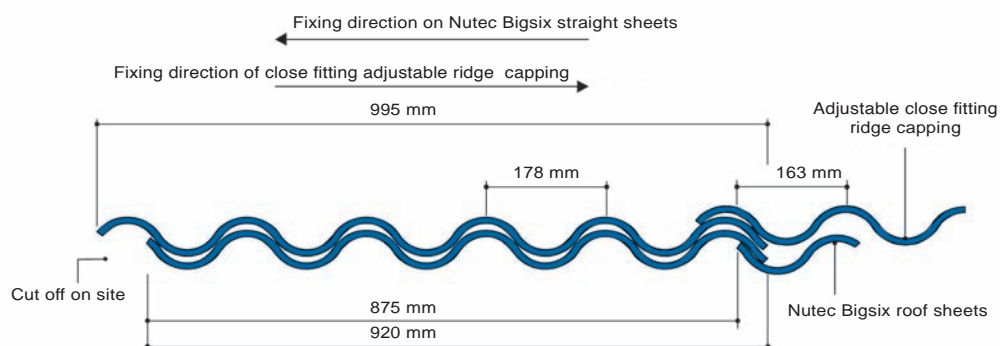
When using the close fitting adjustable ridge capping ensure that the roof sheets are laid square and that the corrugations and side laps on both slopes of the roof are in line at the ridge. The close fitting adjustable ridge capping must be laid in the opposite direction to that of the roof sheeting. The setting out should be carried out as illustrated in [Fig.9](#).

No mitring is required for the Nutec Bigsix roof sheeting or the close fitting adjustable ridge capping.

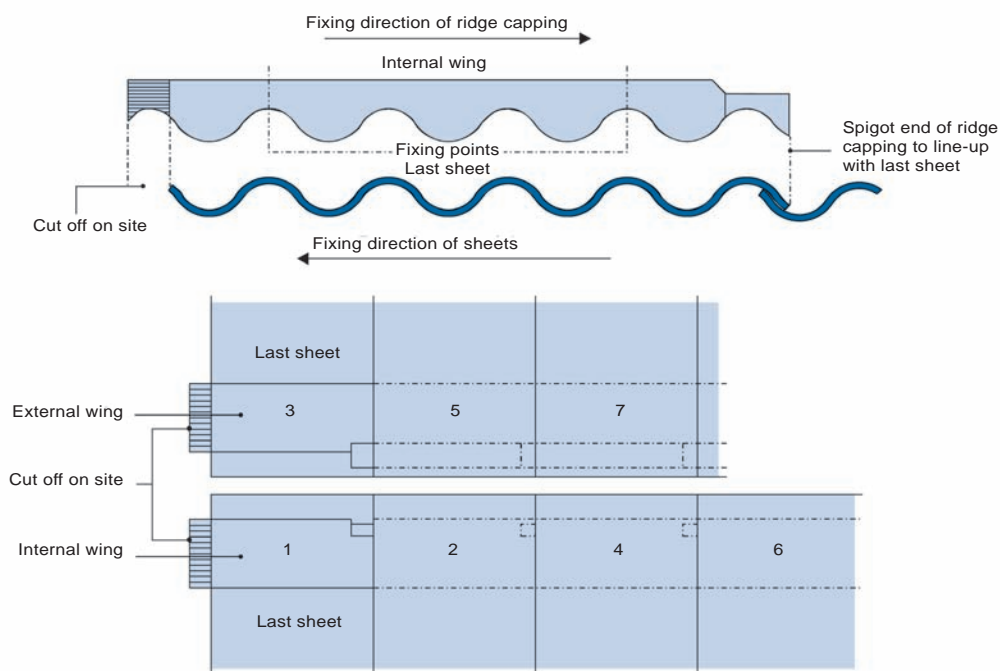
The “163” corrugation of the ridging must fit into the side lap of the sheeting.

Fig 9 : Straight Sheet / Ridge Capping Layout

POSITION OF RIDGE CAPPING ON STRAIGHT ROOF SHEET



TRIMMING OF STARTER RIDGE CAPPING



NB: Numbers indicate sequence of fitting the adjustable ridge capping

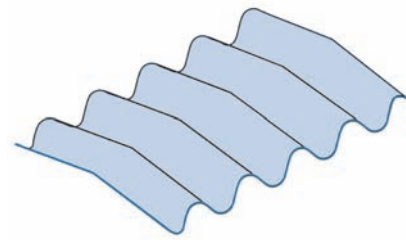
■ Nutec Bigsix Close Fitting Fixed Angle Ridge

Net cover width	875 mm
Overall width	920 mm
Nominal thickness	6 mm
Average mass per length	7,5 kg

Made to order only.

Close fitting ridge sheet must be mitred.

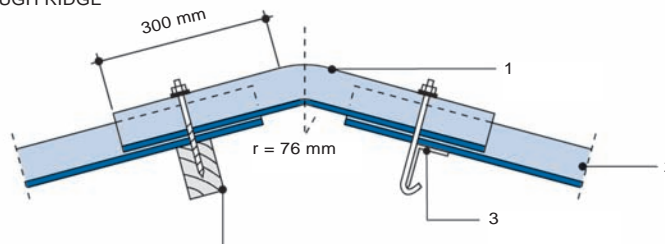
Quote full description when ordering.



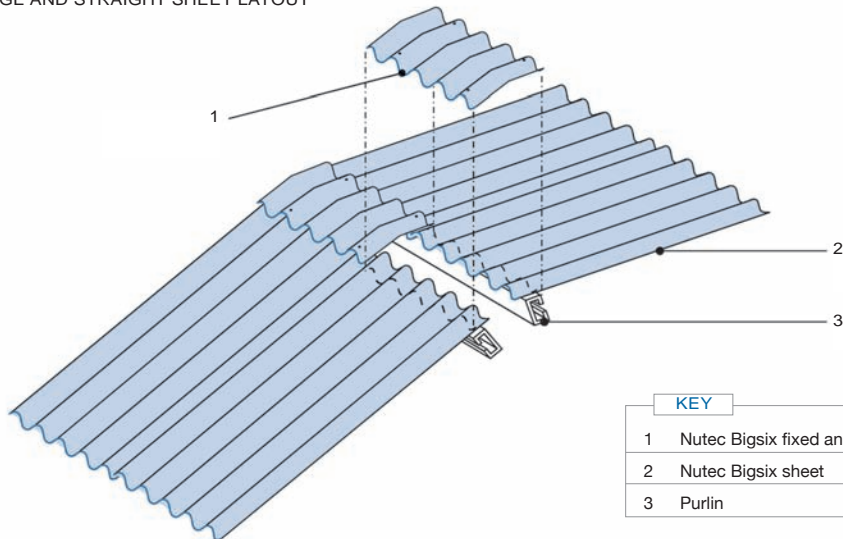
Minimum length of straight section 300
Minimum radius 76 mm

Fig 10 : Typical use of Purpose-made Nutec Bigsix Close Fitting Ridge Sheets

CROSS SECTION THROUGH RIDGE



RIDGE AND STRAIGHT SHEET LAYOUT



KEY

1	Nutec Bigsix fixed angle ridge sheet
2	Nutec Bigsix sheet
3	Purlin

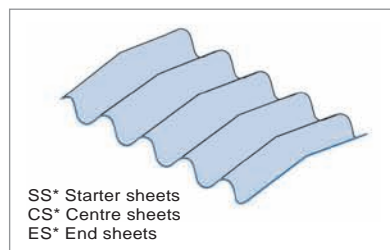
NB:

- To obtain a proper fit, it is essential that the Bigsix sheets on both slopes of the roof are properly aligned.
- The ridges are fixed in the same direction as the roof sheeting and must be mitred.
Refer Fig. 4a and 4b, Fig. 5 and Fig. 6.

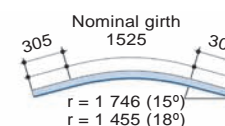
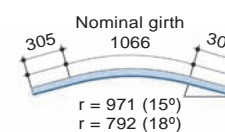
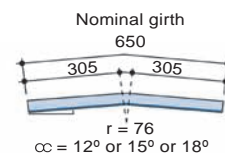
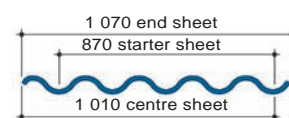
■ Nutec Bigsix Fixed Angle Wide Profile Ridge Sheets

Description	Nominal Thickness	Fixed Angle	Nominal Girth mm	Width mm	Average Mass kg
SS*	6	12°	650	870	7,0
CS*				1 010	8,6
ES*				1 070	9,0
SS*	6	15°	650	870	7,0
CS*				1 010	8,7
ES*				1 070	9,0
SS*	6	18°	650	870	7,0
CS*				1 010	8,8
ES*				1 070	9,2
SS*	6	15°	1 066	870	12,0
CS*				1 010	14,0
ES*				1 070	15,0
SS*	6	18°	1 066	870	12,0
CS*				1 010	14,0
ES*				1 070	15,0
SS*	6	15°	1 525	870	18,0
CS*				1 010	20,0
ES*				1 070	21,0
SS*	6	18°	1 525	870	18,0
CS*				1 010	20,0
ES*				1 070	21,0

Blue codes indicate made to order.



STANDARD WIDE PROFILE RIDGE SHEET WIDTH

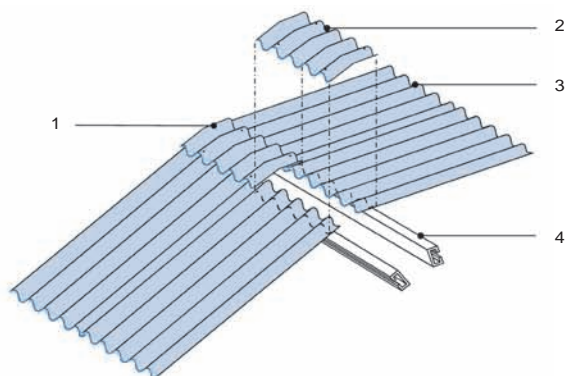


All dimensions in mm.

Application

The Nutec Bigsix Wide Profile Ridge Sheet was developed to eliminate the mitring of both the Nutec Bigsix ridge sheet and the Nutec Bigsix straight sheet.

Fig 11 : Ridge Sheet / Straight Sheet Layout



KEY

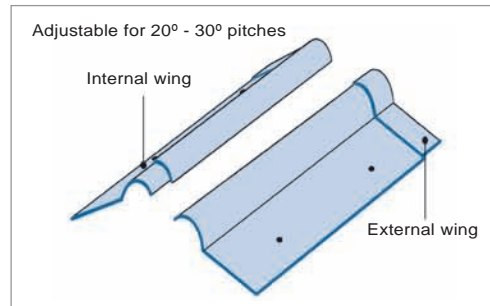
1	Bigsix ridge starter sheet : SS
2	Bigsix ridge centre sheet : CS
3	Bigsix sheet
4	Purlin

NB. The Fixed Angle Wide Profile Ridge Sheet is laid in the same direction as the Roofing Sheets

■ Nutec Plain Wing Adjustable Ridge Capping/Hip Capping

Product No.	Size	Mass per Unit (kgs)
720-100	1 100 mm	6
720-110	1 100 mm	6

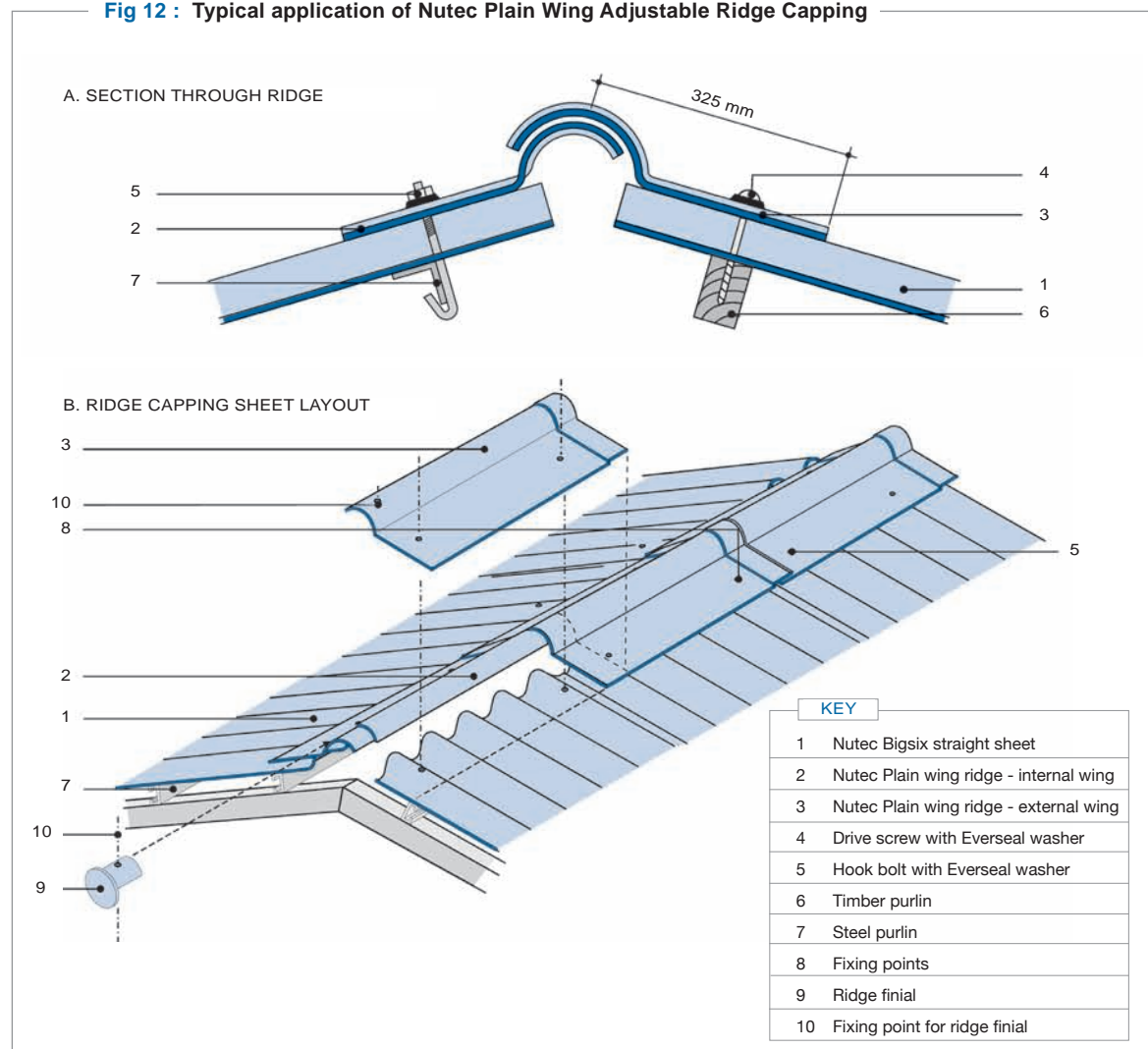
Please state linear metres required when ordering.



Application

The plain wing adjustable ridge capping can be used as indicated in [Fig. 12 A](#) and [B](#) or as hip capping.

Fig 12 : Typical application of Nutec Plain Wing Adjustable Ridge Capping



NB: If laid below 20° or if dust proofing is required, the openings between the corrugated roof sheet / and the plain wing ridge or hip capping should be sealed with bitumen impregnated closures.

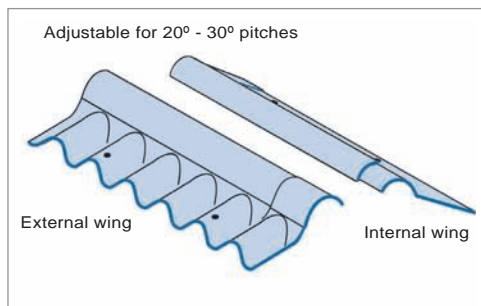
■ Nutec Bigsix Adjustable Sawtooth Ridge Capping

Product No.	Size	Mass per Unit (kgs)
-------------	------	---------------------

720-100	1 100 mm	6
---------	----------	---

720-010	875 mm	5
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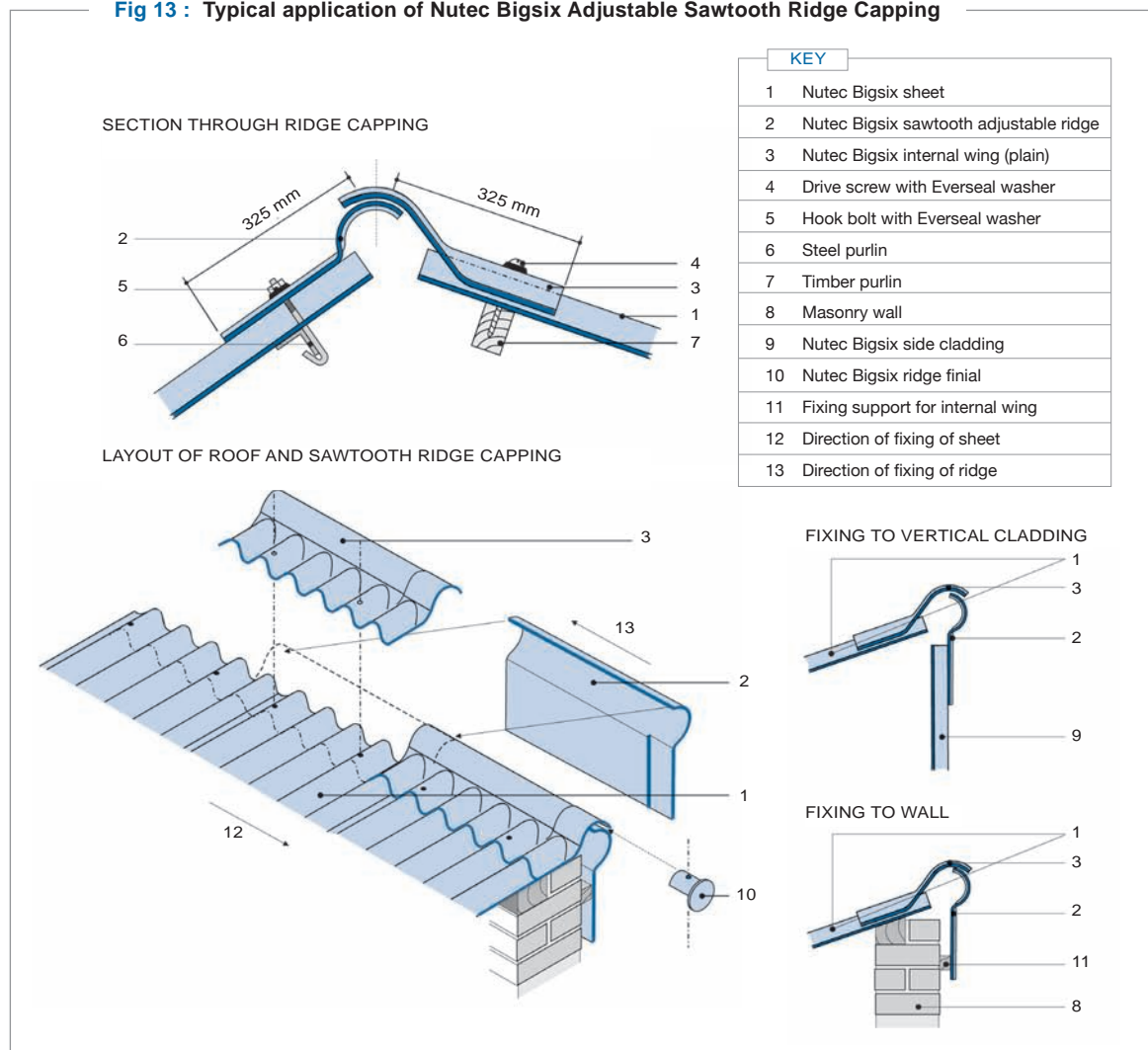
NB: When ordering quote both product numbers and order the required linear metres, not pairs. This adjustable ridge capping is composed of a profiled external wing (995mm long) and a plain internal wing (1 220 mm long). It is adjustable to fit any angle of a sawtooth ridge.



Application

For use on any sawtooth application. When used to finish off a ridge of a mono-pitch roof as illustrated in Fig. 13, the plain wing of the fitting must be properly lined up and fixed to the vertical wall or substructure.

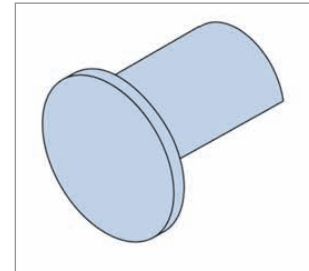
Fig 13 : Typical application of Nutec Bigsix Adjustable Sawtooth Ridge Capping



NB: If laid below 20° or if dust proofing is required, the openings between the Nutec Bigsix sheet and the plain wing ridge or hip capping should be sealed with butimen-impregnated closures.

■ Nutec Bigsix Ridge Finial

Product No.	Size	Mass per Unit (kgs)
721-001	190 mm	1

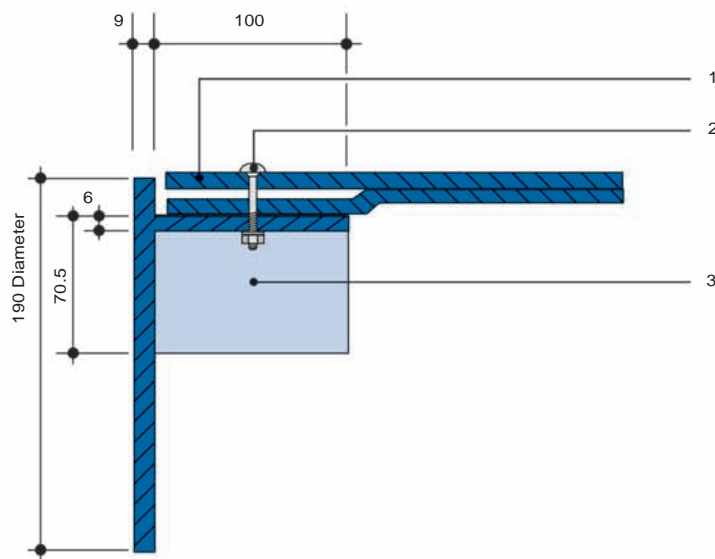


Application Possibilities

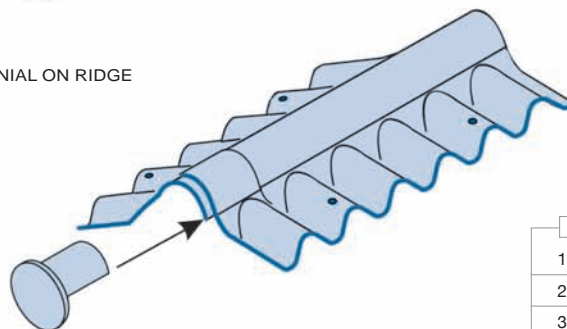
The Nutec Bigsix ridge finial is designed to close the ends of the ridge giving a neat appearance. The finial is inserted into the end of the ridge capping and fixed with a verandah bolt and nut.

Fig 14 : Nutec Bigsix Ridge Finial

SECTION THROUGH RIDGE OF ROOF



POSITION OF FINIAL ON RIDGE



KEY

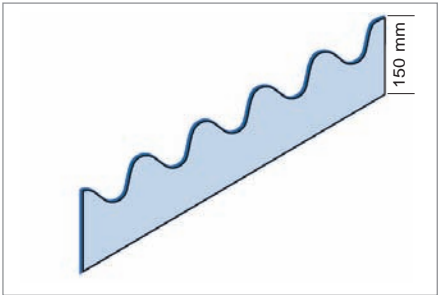
- | | |
|---|----------------------------|
| 1 | Nutec Bigsix ridge capping |
| 2 | 6 mm verandah bolt |
| 3 | Nutec Bigsix finial |

All dimensions in mm.

ROOFING ACCESSORIES

Nutec Bigsix Birdproofing

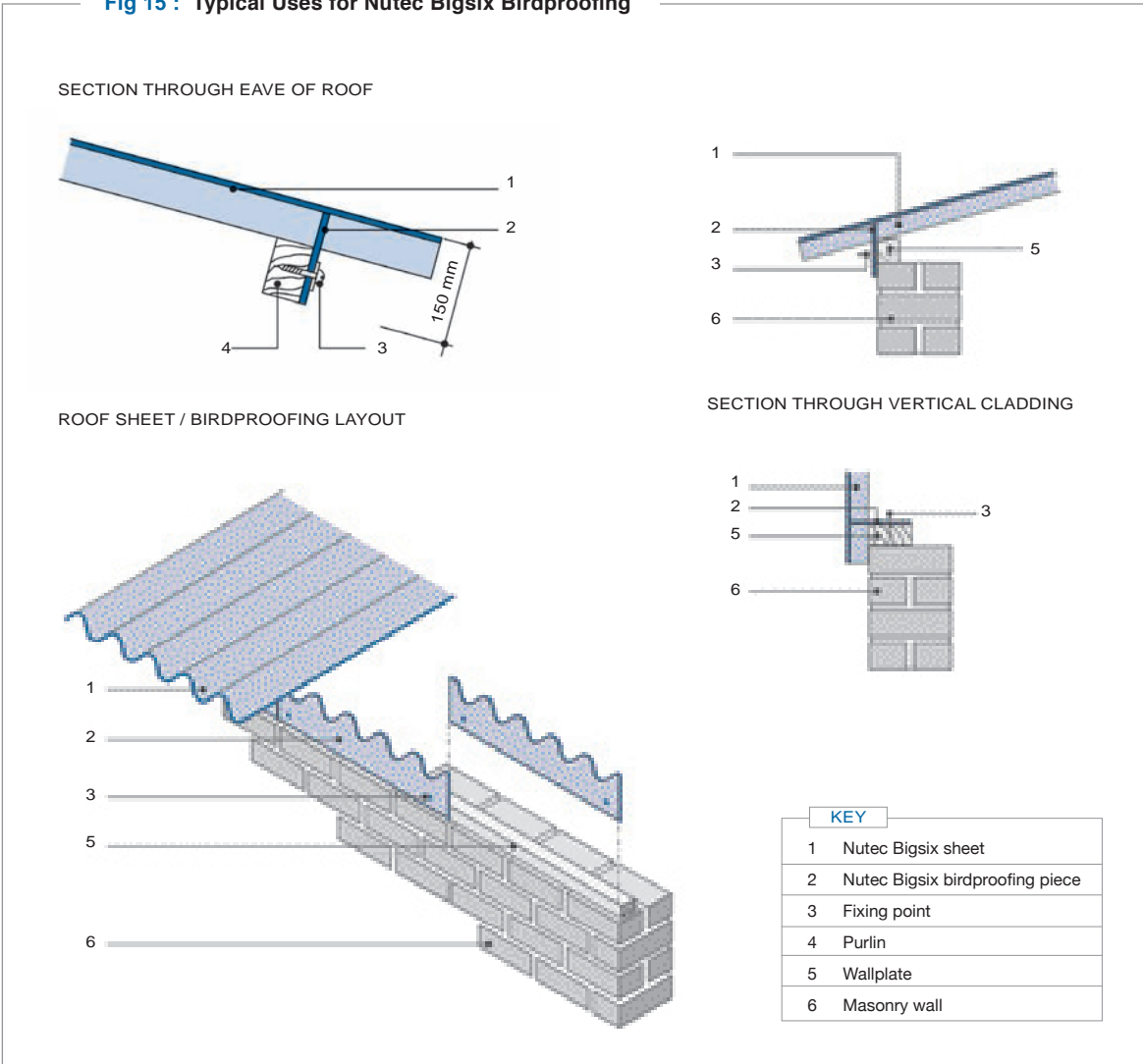
Product No.	Size	Mass per Unit (kgs)
721-100	875 mm	1



Application Possibilities

The Nutec Bigsix Birdproofing is used for birdproofing closures on roof.

Fig 15 : Typical Uses for Nutec Bigsix Birdproofing



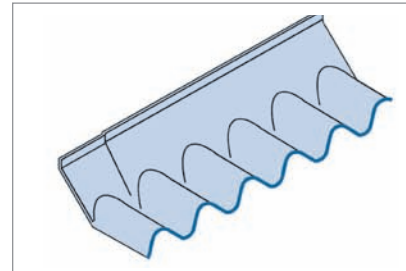
NB:

- Designed to be butt-jointed and fixed in the same direction as the sheeting.
- It is fixed directly to the purlins or wallplate.

■ Nutec Bigsix End Apron Flashing

Product No.	Size	Mass per Unit (kgs)
721-400	875 mm	5 left to right fixing
721-410	875 mm	5 right to left fixing

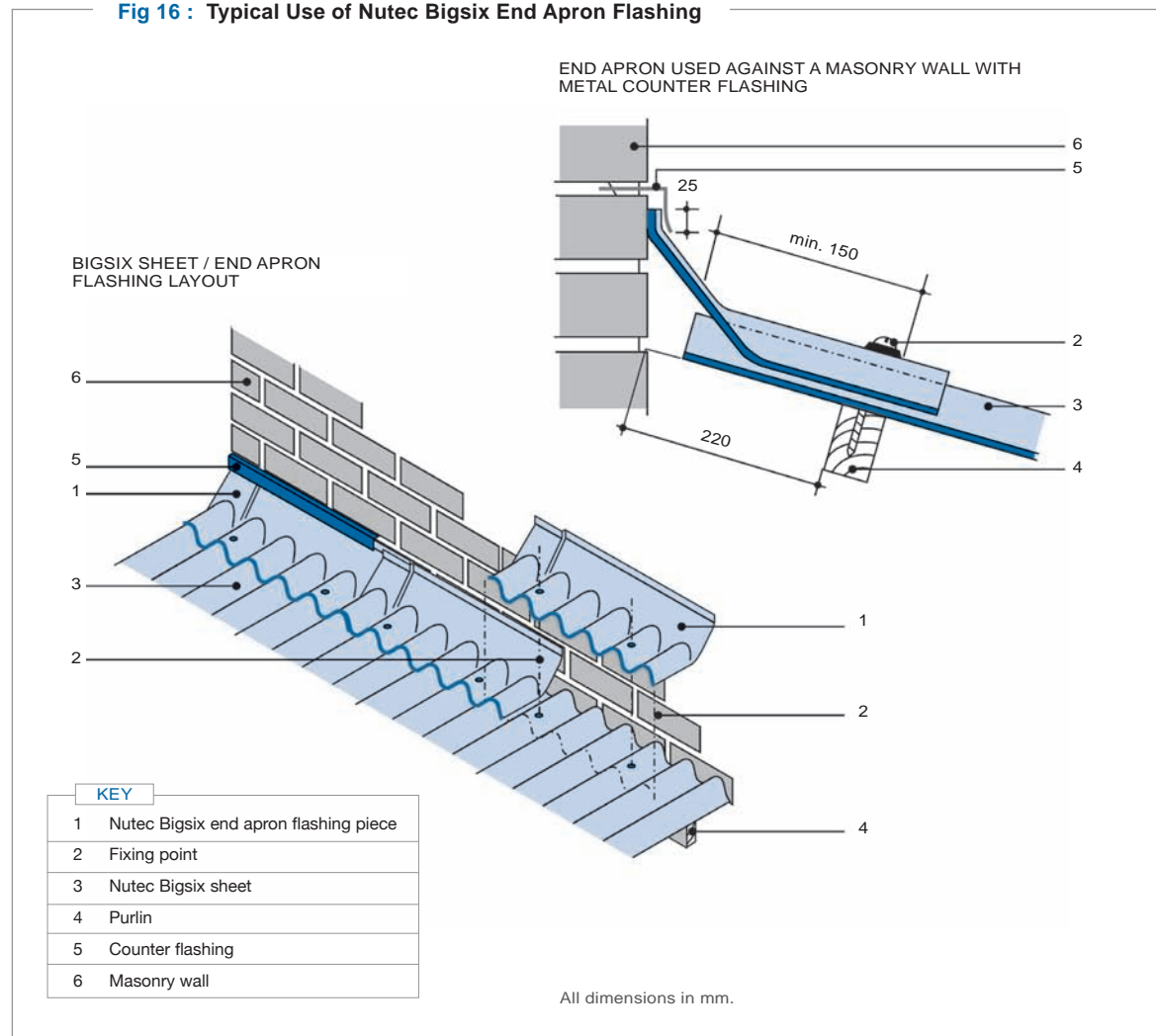
When ordering quote product number and whether left to right or right to left fixing.



Application Possibilities

The Nutec Bigsix End Apron Flashing is designed as a finish against vertical surfaces e.g. louvres, dormer windows, walls, etc.

Fig 16 : Typical Use of Nutec Bigsix End Apron Flashing

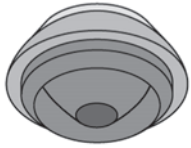
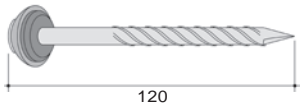

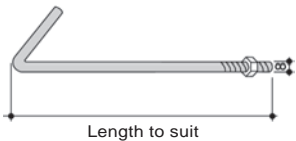


NB:

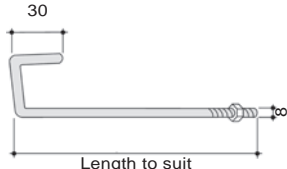

- When used against a masonry wall, metal counter flashing must be used.
- To be fixed in the opposite direction to that of the roof sheeting or wall cladding.

FIXING ACCESSORIES

Nutec Bigsix Fixing Accessories

Product No.	Description	Length mm	Diameter mm	Sketch of Article
600-350	Everseal combination-steel cup and PVC washer system complete Packed in boxes of 100		8	
600-340	Drive screw and Everseal washer pre-assembled Everseal washers with 120 mm long drive screw. Pre-assembled in boxes of 100	120	8	
600-330	Pozigrip with galvanised hex head (Top Speed)	80	6	
600 395	Coastal S/D Combination Wing Screw	120	6	
600-300	Hot dipped galvanised hookbolts and nuts	95	8	
600-301	Hook bolt length determined by depth of steel purlin plus 90 mm	110	8	
600-302		125	8	
600-303		140	8	
600-304		160	8	
600-305		180	8	
600-306		200	8	
600-307		225	8	

FIXING ACCESSORIES

Product No.	Description	Length mm	Diameter mm	Sketch of Article
Special	Hot dipped galvanised channel bolts and nuts Channel bolt length determined by depth of channel plus 90 mm, and channel width plus 3 mm NB: Made to order only. Do not use with timber purlins		8	
600-366	Galvanised verandah bolts and nuts	25	6	
600-367		30	6	
600-368		40	6	
600-369		50	6	

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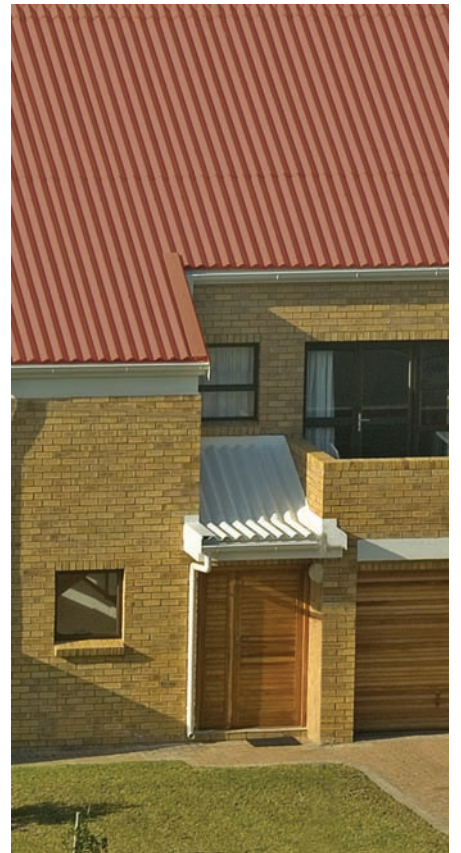
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