

## Installation Guide



**Looks great** - A contemporary tongue and groove styled soffit, with hidden fixings, that provides a versatile and sleek lining complimenting a range of building designs and material choices.

**Low maintenance** - A prefinished soffit that will never need painting, no matter the conditions, allowing more time to do the things you enjoy.

**Long lasting** - A durable soffit that's made in New Zealand, for New Zealand conditions, and backed by a 25 year guarantee for peace of mind.

Dynex Soffit is 5.5mm in thickness, 150mm wide, comes in 3.7m lengths and is manufactured by Dynex Extrusions from durable uPVC. It is ideal for lining soffits as well as verandas, carports and other outdoor living spaces.

For that stylish finishing touch, choose Dynex Soffit. The smart choice in soffit.

For more information please visit [www.dynex.co.nz/dynexbuild/soffit](http://www.dynex.co.nz/dynexbuild/soffit)

Or contact DYNEXbuild on 08004DYNEX [sales@dynex.co.nz](mailto:sales@dynex.co.nz)

by **DYNEX**build

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## 1.0 Important information and preparation

### 1.1 Important information

- **Do not deform the fixing strip** (see Fixing Technique section for details)
- **Do not install on wet framing** (see 'Allowing for expansion and contraction' section for more details)
- **Do not use as exterior cladding**
- **Do not put hot objects near soffit** (see 'Care and maintenance' section for more details)

### 1.2 Storage and handling

Soffit boards should be kept in their protective packaging until the time they are installed. Keep boards on a flat surface in an area on site where they will not be damaged. Do not lay other materials on top of the soffit. When opening the bags, take care that the boards do not get damaged.

### 1.3 Temperature

Additional care should be taken when fixing the soffit at temperature extremes. Where possible, installation should be carried out in a temperature range between 10°C and 25°C. If working outside this range, additional allowances for expansion and contraction are required. See 'Allowing for Expansion and Contraction' section for more details.

### 1.4 Fixing specification

#### 1.4.1 Timber Framing

Nail 32X3.05mm HDG Plain Shank 9.5mm head

#### 1.4.2 Steel Framing

Self-drilling Screw HDG Class 4 with a shank diameter of 3.5mm and minimum head width of 9.25mm.

#### 1.4.3 Microclimatic Conditions

The fixing of Dynex Soffit in microclimatic conditions (e.g. geothermal hot spots, corrosive atmospheres) requires special consideration. Contact Dynex for further information.

### 1.5 Fixing Centre Guide

Reference the chart below to determine appropriate fixing centres.

Wind Zone	Fixing Centres
Low	600mm*
Medium	600mm*
High	450mm
Very High	450mm
Extra High	300mm

\* Maximum 1200mm soffit board lengths. Lengths over 1200mm are required to be fixed at 450mm centres.

### 1.6 Allowing for expansion and contraction

It is important to allow for the soffit boards to expand and contract in varying temperatures. In cold conditions (less than 10°C), for lengths of soffit exceeding 1m, allow 3mm for maximum movement due to temperature changes (cut 3mm undersize). On hot days (above 25°C), for lengths of soffit exceeding 1m, allow 3mm for maximum movement (cut 3mm oversize). When working between 10°C and 25°C, boards can be cut to size.

It is also important to note that the soffit should not be installed on to wet framing. When the framing dries and moves, it may cause the soffit to distort. Ensure the timber has a moisture content no greater than 18%, prior to installation.

## 1.7 Setting out and quantifying

Effective cover of board	150mm
Board Length	3.7m
Board thickness	5.5mm
Board cover (m <sup>2</sup> per board)	0.56m <sup>2</sup>

## 1.8 Tools required

Dynex Soffit does not require any special tools and can be cut and nailed using a wide variety of standard building equipment including circular saws, jig saws and other power tools.

Cutting; an electric circular saw or drop saw (using a fine tooth blade with a minimum of 20 teeth). An electric jigsaw, router, angle grinder (using a continuous rim diamond blade) or a standard hand saw may also be used.

**Ensure a fine tooth blade is used on saws to avoid any splintering or cracking of boards.**

Hole forming; When cutting or drilling holes for lighting, venting or accessories, standard hole-forming attachments can be used. Care should be taken not to force the jigsaw or drill too hard or quickly.

## 1.9 Venting

When installing the soffit where there is a skillion/mono pitch roof and little or no roof cavity, ventilation must be provided to avoid excessive heat from affecting the boards in applications where the soffit is greater than 1.5m from wall to fascia.



It is recommended that equal size/area inlet

and outlet vents be used. Ensure ventilation paths are not obstructed.

## 1.10 Lighting

### 1.10.1 Surface mounted

It is important to note that Dynex Soffit is not a load bearing material. It is recommended that surface mounted lighting (or other items) be installed directly to bearers or framing. The soffit must be allowed to expand and contract in varying temperatures and not be hard fixed in place against the framing. Install lighting to the framing with an over-sized hole through the soffit, where practical, to allow the soffit to move. Holes should be 5mm oversize.

### 1.10.2 Recessed

Most small recessed lights that are held in place using clips can be installed directly to the soffit. It is recommended that recessed lighting be low wattage LED, IC rated. If using Halogen or CA rated recessed lights, they should be 50watt maximum output. Check lighting manufacturer's specifications for correct use and installation clearances.

## 1.11 Fire

Dynex Soffit is suitable for buildings in risk group SH (detached housing), where the soffit is more than 650mm from a relevant boundary, as there is no requirement for the control of external fire spread. Contact Dynex Extrusions for further information on buildings in other risk groups or where the soffit is installed closer than 650mm from a boundary.

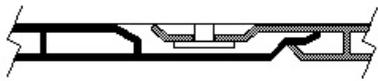
## 2.0 Installation procedure

### Important Installation Information

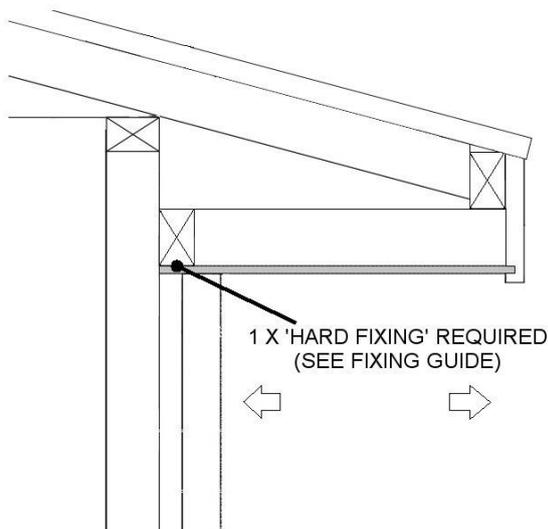
- Reference the **Fixing Technique** section to determine fixing methods to be used depending on the application.
- Reference the **Fixing Centre Guide** to determine appropriate fixing spacing. Confirm if additional framing is required.

Dynex Soffit is typically run perpendicular to the wall (for boards running parallel to the wall see Alternative Installation section). Boards are cut to length and firstly inserted into the fascia slot and then fixed in place at appropriate fixing centres.

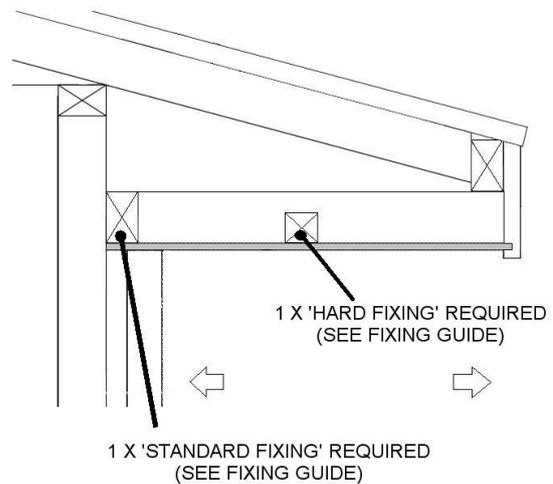
Boards are then clipped in to one another to create tongue and groove joints. Ensure the boards are pushed firmly in place. See join detail below.



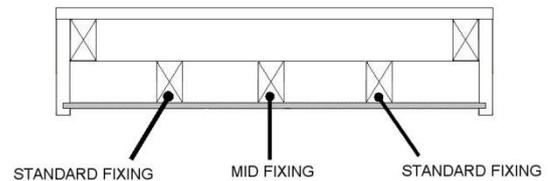
Short spanning boards that only require one fixing point (in addition to the fascia slot) should be fixed firmly in place using a 'hard fixing'.



Longer boards that require two or more fixing points (in addition to the fascia slot) should have one 'hard fixing' closest to the fascia board and then remaining fixings to be 'standard fixing'.

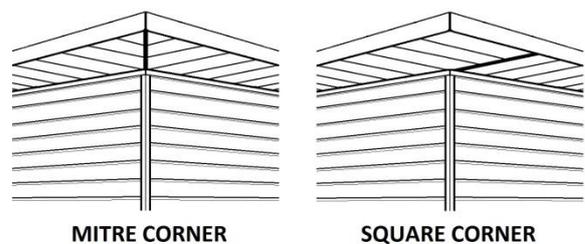


Board lengths exceeding 1500mm are to be 'mid fixed' approximately half way along the board.



Finishing of cut boards can be achieved by using an end cap or the installation of an alternatively supplied moulding.

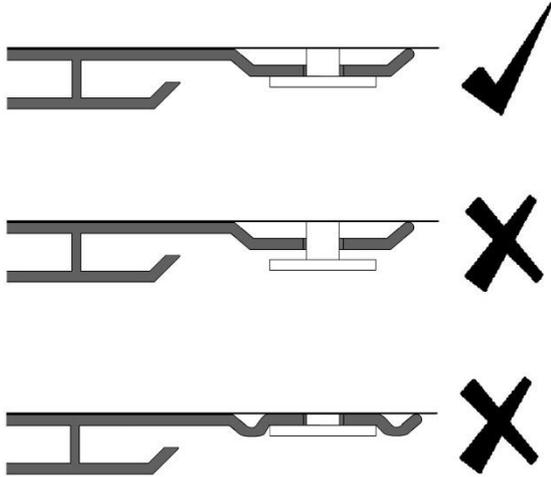
Corner junctions can either be mitred or square using the standard jointer accessories. See 'Accessories' section for more details.



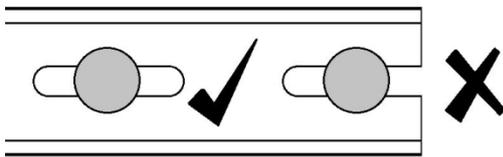
## 2.1 Fixing Technique

The following fixing guidelines are applicable for both timber and steel framing.

**DO NOT DEFORM FIXING STRIP.** The head of the fixing must sit flush with the fixing strip and not deform it. See below.



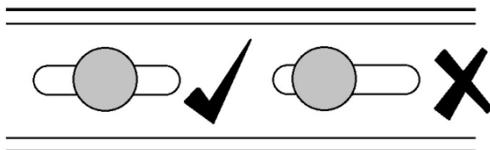
**DO NOT FIX THROUGH A PARTIAL SLOT.** If a slot is cut through at the end of a board, fix in the nearest full slot. See below.



**DO NOT FIX THROUGH SOFFIT BOARD.** Fix through the fixing slots only to allow the board to expand and contract.

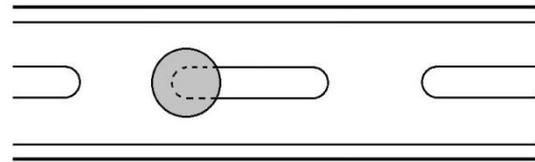
### 2.1.1 Standard fixing

Fixing through the centre of a slot. This fixing method holds the soffit in place but also allows the boards to move slightly through expansion and contraction. See below.



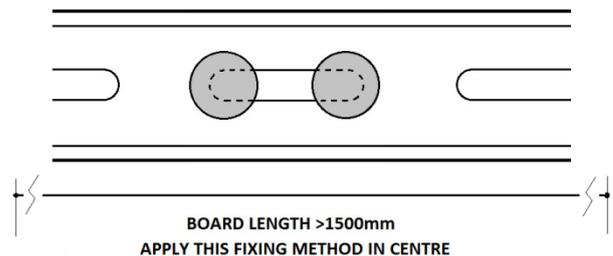
### 2.1.2 Hard Fixing

Fixing to the edge of a slot. This fixing method holds the soffit in place and locks it from moving in one direction. It is used to secure a short span of soffit board against the fascia board. See below.



### 2.1.3 Mid fixing

Fixing at both ends of one slot. This fixing method locks the soffit in place and prevents any movement. When the length of one board is longer than 1500mm. Apply two fixings to a slot approximately half way along the board length (i.e. 1800mm for a 3600mm board length). This will prevent board migration (also known as creepage) over time. See below.

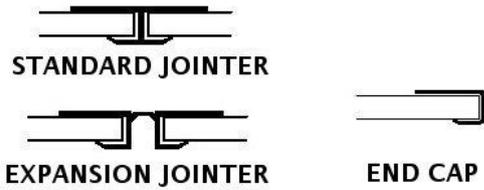


## 2.2 Accessories

Jointer and end cap accessories are available for use with Dynex Soffit.

**Jointers:** Used at corners where the direction of the soffit changes (mitre or square). Used for joining longer lengths of soffit.

**End cap:** Used as a starting point or ending point for boards or for finishing off a ripped board.



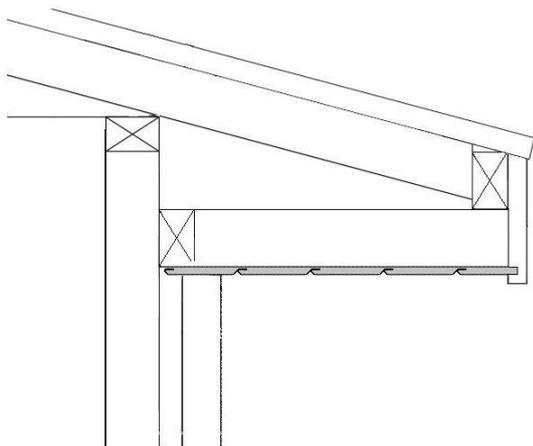
### 2.3 Alternative Installation (Parallel to wall)

Dynex Soffit can be installed parallel to the wall as an alternative to perpendicular to the wall.

Additional battens may be required to meet the soffit fixing spacing requirements (see fixing centre guide).

The first soffit board length will need to be ripped in order to remove the starting strip tongue before inserting into the fascia.

Full boards are then inserted in to one another to create the tongue and groove joints. Long lengths of board can be joined using the standard jointer or expansion jointer. Installation example below.



Starting and finishing of cut boards can be achieved by using the end cap accessory or the installation of an alternatively supplied moulding.

## 3.0 Further Information

### 3.1 Warranty

- Subject to the above product information, if Dynex Soffit is used and installed according to Dynex Extrusions Limited's published recommendations, we guarantee Dynex Soffit to be free from defects in material and workmanship for a period of 25-Years from the date of purchase.
- If you consider that our guarantee has not been fulfilled, do not attempt repairs or replacement but contact in the first instance the installer or alternatively Dynex Extrusions Limited P O Box 19-133, Avondale, Auckland. Dynex Extrusions Limited will then recommend appropriate course of action.
- If Dynex Soffit has been used and installed in accordance with the requirements of this guarantee (set out above) but does not comply with that guarantee, we will replace the product or refund its purchase price.
- This guarantee is given to consumers as defined in and who have the rights

under the Consumer Guarantees Act 1993 and should be read with the statutory consumer guarantees contained in that act.

### 3.2 Product feedback

We value your feedback. To continue to develop and produce excellent products we would value any input you have.

Sales; 0800 439 639 or [sales@dynex.co.nz](mailto:sales@dynex.co.nz)

### 3.3 Environmental policy

Dynex is committed to environmentally sound production and believes in the importance of sustainable manufacturing. The commitment to reducing the company's impact on the environment is demonstrated by adhering to the ISO 14001 environmental standard.

Dynex Soffit is a sustainable soffit product manufactured from 100% recyclable material. For more information please refer to our environmental statement found at [www.dynex.co.nz](http://www.dynex.co.nz).

### 3.4 Health & Safety

Hearing and eye protection must be worn while cutting Dynex Soffit boards and accessories.

## 4.0 Care and maintenance

While Dynex Soffit requires very little in the way of maintenance, follow the below guide to help keep Dynex Soffit looking its best over time.

Cleaning	We recommend that the product be periodically washed down to help maintain its smart look. The frequency of this is up to the home owner and the buildings location. As a guide we recommend the soffit is cleaned at least once a year. A wet cloth and warm soapy water should remove most surface marks and build up. In addition to this, Hypo-Chlorite based cleaners (such as 30 Seconds) can be used. Please follow the product instructions correctly if using such cleaners. Water blasters can also be used to clean Dynex Soffit. Be careful not to expose the soffit to extreme changes in temperatures for example hosing down the soffit with cold water on a very hot day.
Maintenance	All areas where sealants and penetrations occur should be checked regularly to ensure their integrity is intact. If there is any deterioration, sealants should be reapplied.
Scratches	In the event of any surface scratches these can be minimised by cleaning with watered down 'jif'. This may result in a slight dulling of the surface in this area. Any excess cleaner should be thoroughly cleaned off after application.
Repairing	Small holes or cracks caused by damaging the board or removing objects installed against the boards can be filled using a white solvent cement applied topically. Damaged boards can be removed from between other boards and replaced.
Fixing to the boards	Note; Dynex Soffit is not a load bearing material. If installing other products to the soffit it is important to ensure it is fixed directly to the bearers. It is also important that the soffit is allowed to expand or contract in varying temperatures and not hard fixed in place. Install to framing with an over-sized hole through the soffit to allow it to move.
Painting	Dynex soffit is a pre-finished product and does not require any painting. If for any reason painting was desired, contact Dynex Extrusions.
Do not	Do not use solvent based cleaners. If you have any doubts about the suitability of a type of cleaner please contact the manufacturer of the cleaning product with regards to its use with uPVC beforehand. It is recommended that the cleaner is tried on a small area of soffit in an unseen area before using.
	Do not position a heat source in close proximity to the soffit (for example a tall gas heater where the top of the heater comes close to the soffit). Ensure that heat sources are directed away from the soffit.