



INNOSCREEN

INSTALLATION MANUAL

IBFS05050
IBFS10050
IBFS15050
IBFS04030
IBFS06516
IBFS09028
IBFS12530

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1 INTRODUCTION

InnoScreen products are an innovative and cost effective composite timber screening solution to achieve any design of Façade Screens, Sun Screens, Fencing Screens, Privacy Screens and Trafficable Screens.

InnoScreen systems have multiple benefits over real timber and are ideal for internal and external use in both commercial and residential settings. They also provide shade and optimise natural light, privacy, security and acoustic qualities.

InnoScreen is designed for both horizontal and vertical fixing applications over steel or timber supports.

INNOWOOD BOARD is an advanced composite material does not splinter, mildew, is water, fire resistance and termite proof. It is also simple and easy to maintain.

1.1 InnoScreen Snap fixing system

A Snap Fixing Screen System creates perfectly straight lines. Simply snap battens into the clip for quick and easy installation, saving you time and money.













1.2 InnoScreen Face fixing system

InnoScreen battens cater for face fixed or back fixed systems and are designed to simply screw over the structural support. InnoScreen Face Fixing Systems are lightweight and their unique installation method makes it easy to achieve a modern look with consistency.

2 PRODUCT RANGE

Snap-Fix Range

Accessories

PROFILE						
SECTION						
PRODUCT CODE	IBFS05050	IBFS10050	IBFSC10050	IBFSC15050	AL05050PC	AL05050PC
SPAN	450mm	450mm	450mm	450mm		

NOTE:

Where aluminum accessories are used as part of the fixing configuration, a longer span (**900mm max.**) of back-structure is acceptable.

Face-Fix Range

PROFILE				
SECTION				
PRODUCT CODE	IBFS04030	IBFS06516	IBFS09028	IBFS12530
SPAN	450mm	450mm	450mm	450mm

Innowood products can be worked with ordinary woodworking tools:

Circular Saw	Cordless Drill
Crosscut Mitre Saw	Level&Chalk Line
Carpenters Square	Tape Measure

NOTE:

To ensure long- term performance, we recommend that a professional trade person carry out the installation. The installation **MUST** be carried out in accordance with these instructions including the use of all trims and accessories.

3 FRAMING AND PREPARATION

3.1 SITE STORAGE & HANDLING

- Innowood boards should not be dumped or dropped when unloading.
- Innowood boards should be unpacked, stored on a flat surface and supported at 600mm centres.
- Innowood should be stored under cover out of the weather and in the shade, until ready to install.
- Innowood should not be stored in the rain or covered with plastic cover sheets.
- Do not slide boards against each other or drag equipment including tools across the top of the boards.
- Innowood boards should be carried on edge, for better support.

3.3 THERMAL MOVEMENT

Any wood based products will expand and contract with changes in temperature, the amount of expansion varies according to the amount of changes of temperature. Although thermal movements are reversible, these movements due to temperature change may vary by up to 2mm per meter during the installation process, if both ends are properly fixed with screws.

Innowood boards that have been exposed to the direct sun for several hours, prior to installation will have expanded more than those boards left in the shade. When installed, the hotter boards will contract more than the cooler boards that were left in the shade prior to installation. It is important to maintain an average consistent temperature for all the boards as it is being installed.

Innowood products can tolerate temperature range from -20° to +65°, if there is any application has to be specifically adapted to suit the purpose that fall outside the limited of Innowood products can tolerate, please consult with Innowood.

NOTE

- Provision should be made for adequate drainage and ventilation behind the cladding.
- When the construction is carried out in full sun, the temperature of InnoWood board is expected to be approx. 20 - 25 degrees higher than its ambient temperature. Hence, installation should not be carried

3.2 FRAMING CONSTRUCTION REQUIREMENTS

InnoWood screen may be fixed to seasoned timber or steel stud wall framing members or to a proprietary batten system.

Battens spacing for InnoWood screen is nominally set at 450mm centres for urban and non-cyclonic wind load areas. For higher wind-load areas may be accommodated by reducing batten spacing or contact our office.

Battens, noggings and trimmers must have a face not less than 45mm for timber and 38 mm for steel. Where studs are less than the required minimum face-width under a joint, sufficient landing must be provided by fixing an additional batten or trimmer.

3.4 TIMBER FRAMING

Timber framing must comply with AS 1684: Timber Framing Code.

It is important to use adequately seasoned timber to minimise shrinkage and associated building movement, which may damage the cladding system.

3.5 STEEL FRAMING

Steel framing must comply with AS/NZS 4600: Cold-Formed Steel Structure or AS 3623: Domestic Metal Framing.

Where steel framing members are specified, use only corrosion resistant galvanized steel framing.

Specific instructions for fixing to steel frames are included where appropriate.

NOTE: Thermal breaks are required for steel framed buildings and should be installed between the InnoWood cladding and lightweight steel CFS stud and or top hat sections.

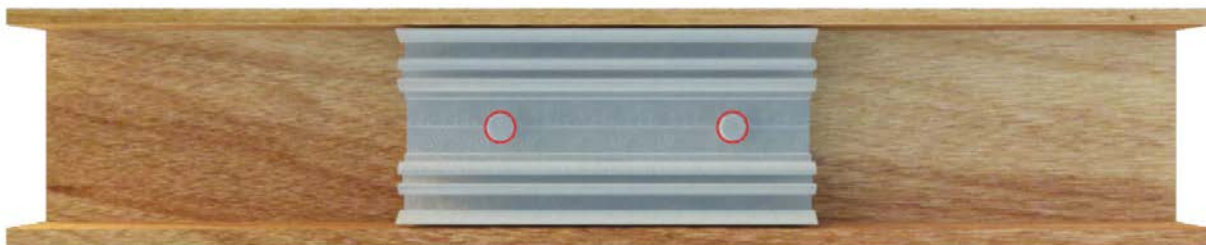
Thermal break tapes should have a minimum R-Value of 0.2 or less.

out in extremes of temperature (less than 25 degree is recommended).

-Ensure product is stored under cover and out of direct sunlight during storage and installation to reduce expansion and contraction. Always fix boards from one end to the other and not middle to ends.

4 INSTALLATION

4.1 IBFS05050/10050

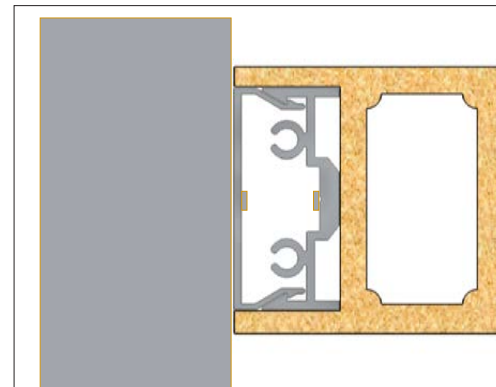


FIX TWO SCREWS ON EACH FEMALE FIXING MOULD

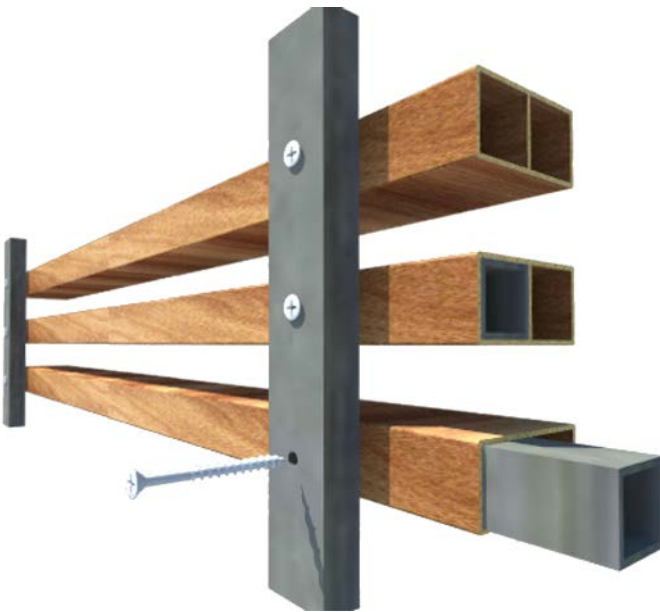


INSTRUCTION

1. Fix the aluminium male fixing mould (AL05050WC) onto the existing batten spacing at 900mm centres. (screws to suit structure)
2. Fix the female fixing mould (AL05050PC) into the groove of the panel. (2 screws for each mould)
3. Clip two parts together.
4. Use end caps to finish off both ends.



4.2 IBFS10050/IBFS15050



INSTRUCTION A

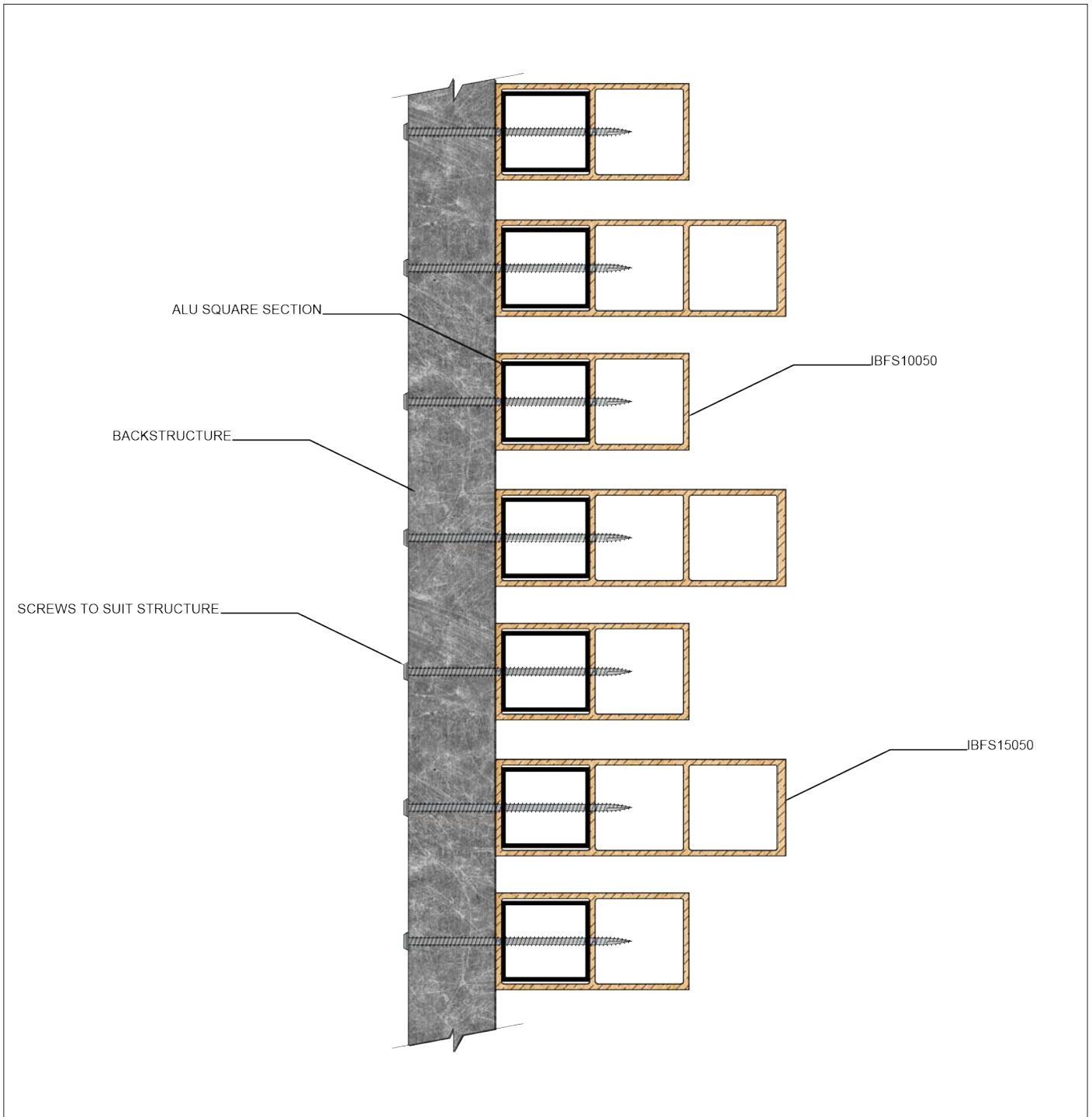
1. Set up a proper back structure, for special case please consult an Innowood technician.
2. Insert an aluminium flat bar or square section into InnoScreen, and pre-drill the fixing hole.
3. Fix the Innowood screen onto back structure with proper screws from back if possible.
4. Repeat until the screen is fully installed.



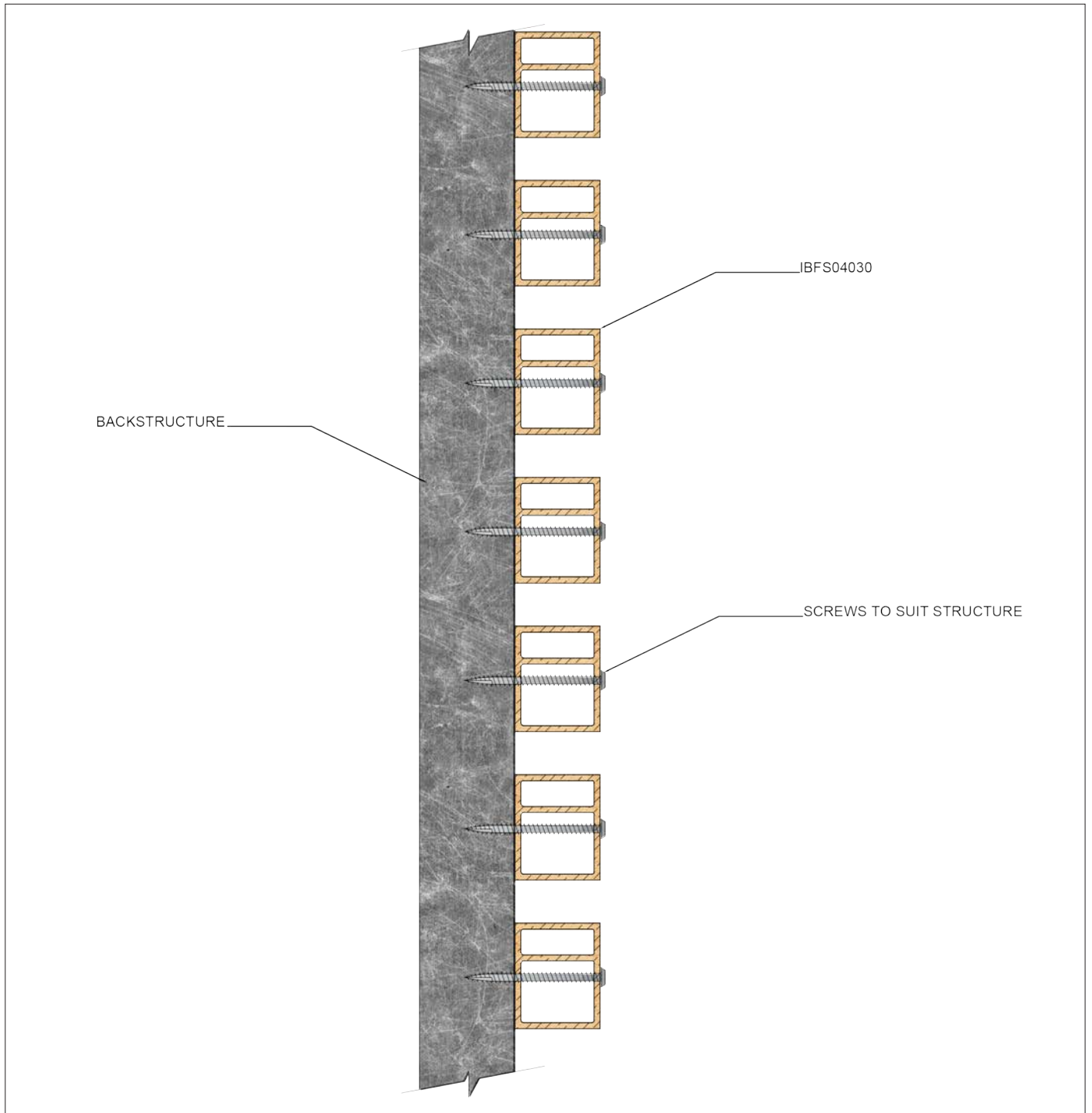
INSTRUCTION B

1. Set up a proper back structure, for special case please consult an Innowood technician.
2. Insert an aluminium flat bar or square section into innoscreen, and pre-drill the fixing hole.
3. Fix the Innowood screen onto back structure with proper screws from front for special aesthetic requirement or when back fixing is impossible.
4. Repeat until the screen is fully installed.

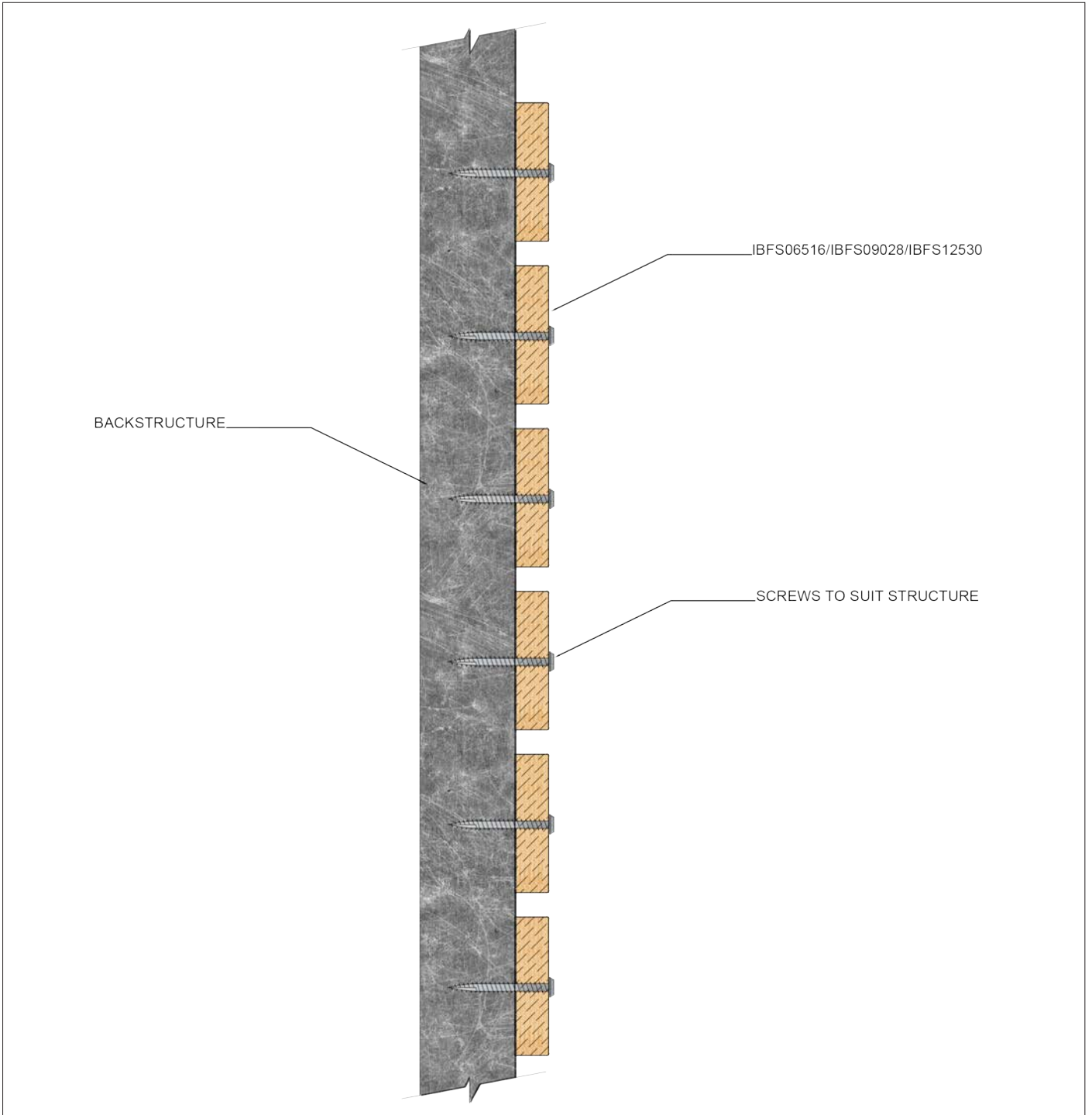
4.3 IBFS10050&IBFS15050 CONFIGURATION



4.4 IBFS04030



4.5 IBFS6516/ IBFS09028/ IBFS12530




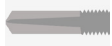

5 GENERAL

5.1 SCREWS

Screws must comply with AS 3566 Self Drilling Screws for the Building and Construction Industries.

Screws must have a minimum Class 3 corrosion resistance, suitable for external applications in mild, moderate industrial and marine environments and Class 4 or stainless steel for severe environments.

Screw points and threads should be suited to framing material into which the screw is fastened, as shown in the following table.

fix to	point type	gauge & size
Timber Framing	 Type 17 or self-tapping	6 or 8g 18x50mm for connector 8g 18x50mm for last board fixing
	 Self-drilling point screw	6g 18x40mm for connector 8g 18x40mm for last board fixing
Light gauge steel up to 2.5mm thick	 Self-drilling winged screw	8g 18x40mm for connector 10g 16x45mm for last board fixing



Raised Countersunk Head



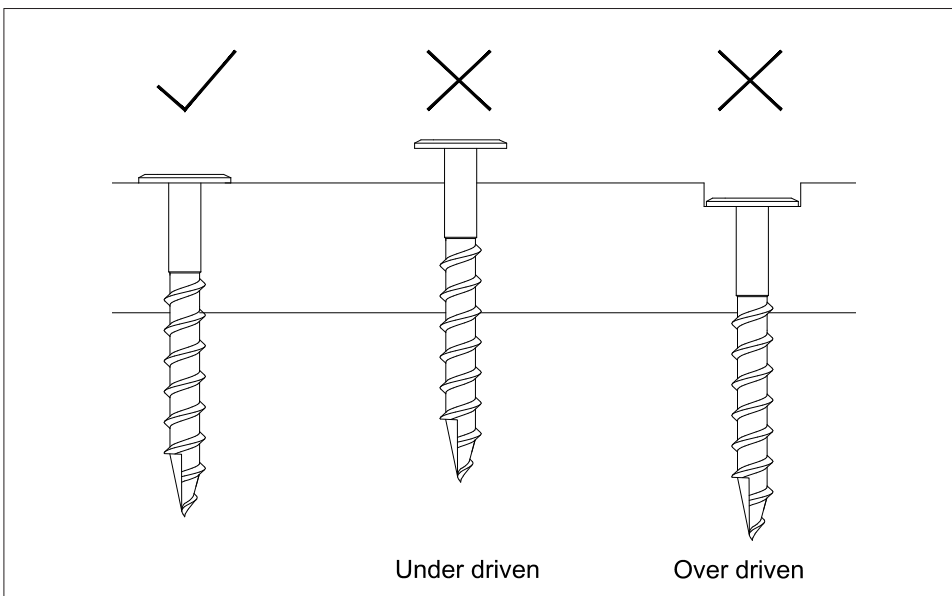
Countersunk Rib Head



Countersunk Head



Self Embedding head



SCREW DEPTH

5.2 CARE & MAINTENANCE

INNOWOOD product is a low-maintenance material; composite wood requires simple care and handling to ensure lasting integrity. It is best to complete cleaning when the board surface is cool to prevent cleaners from drying/ evaporating on the board surface. Many stains can be cleaned with soap and water, normal procedure as following:

- Immediately wipe the spot stain area and remove as much of the spill as possible.
- If the spill consists of an abrasive substance, blot the spill. Do not rub.
- Soak the stained area with warm water and blot up with a soft towel.
- Using a clean towel or soft sponge, apply the soapy solution to the stain and allow to stand for 3 minutes.
- After the stain has soaked wipe with a clean towel or sponge.

INNOWOOD products are like any natural timber product, coating is required depending upon location to sun or how much pedestrian traffic it attracts. If INNOWOOD Board is not applied with a coating, when exposed to UV, INNOWOOD BOARD will oxidise and show discolouration, the colour will revert to its silver / grey colour, however it can be and revived by re-coating or stained should this be desired. Best protection of INNOWOOD board is ensured by applying the coating prior to installation.

The coating detail can be found out at our website :<http://www.innowood.com/resource-center/innowood-care-maintenance.html>.

To maintain and protect the colour and extend the life of your INNOWOOD Board, regular simple maintenance is recommended. Conducting routine 6-monthly maintenance inspections to determine to reapply Coating or not, it is time to re-apply coating when your InnoBoard surface begins to show signs of fading or dullness, InnoCoat is quick and easy to apply, InnoCoat will instantly bring back the colour to your INNOWOOD Board.

5.3 TROUBLE SHOOTING

General dirt and debris

Spray with a hose to remove surface debris. Use warm soapy water and a soft-bristled brush to clear dirt and/or debris from grooves or contours. Pressure wash to remove more stubborn stains.

Oil,grease,food and drink

Remove and wipe as soon as possible. Spray with a hose and use warm soapy water and a soft-bristled brush. Pressure wash to more stubborn stains. Any surface stain that has been absorbed can be easily removed with a light, progressive sanding.

Ice and snow

Use a plastic shovel or broom to remove snow. Use rock salt or calcium chloride to melt ice.

Rust stains and engrained dirt

Cleaning products containing Oxalic or Phosphoric Acid can be used but DO NOT use bleach as this will lighten the cladding. With any cleaning product, test it on a small, inconspicuous area first, following manufacturer's instructions.

Disposal of Innowood offcuts

Spray with a hose to remove surface debris. Use warm soapy water and a soft-bristled brush to clear dirt and/or debris from grooves or contours. Pressure wash to remove more stubborn stains. Safely dispose of Innowood cladding as per local legislation.

- Do not burn.
- Treat as construction waste.
- If unsure, consult your local governing body/ council.

Scuffs, surface indents and marks

Sanding should only be used for very stubborn stains and to a maximum depth of 0.5mm. Most marks blend naturally after certain period. Please note: All timber based products will release tannins but these will naturally stabilise after approximately 12 weeks, depending on the temperature, UV and exposure to rain.

These Guidelines are subject to modifications without notice. Drawings & sketches are for illustration purpose only. Purchasers should verify whether any changes to specifications or applications or otherwise have been made since this literature was issued. This installation manual is only suited for conventional timber or metal framing systems. Please contact us for any other installation method.

NOTES

FOR MORE INFORMATION, PLEASE VISIT INNOWOOD AT
WWW.INNOWOOD.COM
OR CALL 1300 787 717