



# IBS EUROLine Installation Guide



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NZBN 9429000097253

IBS EUROLine Product Details			
L x W x Thickness (mm)	Weight (kg)	IBS Product Code	GTIN
2440 x 1220 x 9	16.5	OSB092412	09421028761239
2440 x 1220 x 12	22.0	OSB122412	09421028769921
2440 x 1220 x 18	33.1	OSB182412	09421028769938

**Contact us for more information or to talk to our team.**

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## 1. Introduction

This installation and maintenance guide relates to the installation of EUROLine.

### 1.1 What is IBS EUROLine?

EUROLine is an OSB (oriented strand board), moisture-resistant, engineered structural wood panel. It is manufactured in Europe from a sustainable and renewable resource. It consists of three layers of wood strands bonded together with heat-cured adhesives. The layers are oriented at right angles to adjacent layers to create a strong, dimensionally stable panel that resists delamination and warping.

EUROLine is available in panels of 2440 mm in length, 1220 mm in width, and thickness of 9, 12 and 18 mm.

### 1.2 EUROLine Intended Use

IBS supplies EUROLine for use as load-bearing or non-load bearing internal linings; walls, ceilings and general applications.

Intended use for EUROLine are:

- In buildings where the relevant part complies with the NZ Building Code or where the designer and installer have satisfied themselves that the

relevant part of the existing building is suitable for the intended building work

- As a wall bracing element
- As a ceiling
- As an internal lining.

Confirm the intended use is covered by the pass™ and specify the product; wall or ceiling lining.

Consider:

- the use of the building
- use of the space in respect to fire, water splash, moisture and/or acoustics
- the supporting structure.

### 1.3 Supporting Information

This guide must be read in conjunction with the following documents:

- EUROLine pass™
- EUROLine Warranty Guidelines
- EUROLine Care and Maintenance Guide.

## 2. Best Practice

### 2.1 Skills Required

This guide is suitable for a designer and installer with appropriate skills, knowledge of the product, and access to all EUROLine technical information.

For more help, technical assistance is available at [www.ibs.co.nz](http://www.ibs.co.nz).

While all reasonable efforts have been made to ensure the accuracy of information provided, this guide is a guide only. It may be subject to change.

### 2.2 Health and Safety

Take all necessary steps to ensure your safety and the safety of others:

- ensure adequate ventilation or mechanical dust extraction when cutting or drilling
- ensure the timber is well supported when cutting and nailing
- wear appropriate safety equipment, clothing and footwear
- use all tools in accordance with relevant instruction manuals

- plan and monitor a safe approach for working at height; select and use the right equipment
- clear the work area of any obstruction before work starts.

For further information refer to:

- WorkSafe - [Absolutely Essential Health and Safety Toolkit](#)
- WorkSafe - [Health and Safety at Work, quick reference guide.](#)

These documents are available at [www.worksafe.govt.nz](http://www.worksafe.govt.nz).

### 2.3 Handling and Storage

#### Handling

Care must be taken during loading, unloading, and transporting the EUROLine panels to prevent preinstallation damage.

#### Storage

When the panels arrive, remove the fixing straps to reduce the stress on the panels.

Store EUROLine on a flat and dry surface, under cover if possible, or laid flat on bearers, with plastic underneath the bearers and covered with a waterproofing covering that allows ventilation.

The panels must be kept away from water and vegetation.

### 3. Bracing Element

EUROLine can be specified as a structural wall bracing element in accordance with the test wall assembly and components.

Bracing values are as follows:

EUROLine Wall Bracing Table for sheet size 1200 x 2400m		
Brace Code	BU/m for EQ	BU/m for Wind
EURO 9	59	75
EURO 12	59	75
EURO 18	59	75

When specifying EUROLine as a bracing element, the wall construction must be as follows

- 90 x 45 SG8, H1.2 timber studs (600 mm centres with 2 horizontal rows of nogs or dwangs)
- 90 x 45 SG8, H1.2 timber top and bottom plates
- 9 mm EUROLine OSB sheet, one side fixed with 50 x 2.5 jolt head galvanised nails at 150 mm centres to sheet perimeter and 300 mm centres to the interior of the sheet
- GIB HandiBrac® brackets to wall ends and bottom plate
- Tested with M12 hold down bolts to GIB HandiBrac® brackets and bottom plate.

Fix as follows:

- 9 mm EUROLine, one side fixed with 50 x 2.5 jolt head galvanised nails at 150 mm centres to sheet perimeter and 300 mm centres to the interior of the sheet
- 12 or 18 mm EUROLine, one side fixed with 60 x 2.5 jolt head galvanised nails at 150 mm centres to sheet perimeter and 300 mm centres to the interior of the sheet
- GIB HandiBrac® brackets to wall ends and bottom plate
- Tested with M12 hold down bolts to GIB HandiBrac® brackets and bottom plate.

5 mm expansion gap must be provided between panels, at the end of the wall and at the top and the bottom of the wall.

## 4. Installation

### 4.1 Key Documents

If applicable, refer to the building consent plans and specifications for EUROLine.

Where the product is not specified, or specific assemblies are not contained in the building consent documentation, or a building consent is not required, refer to this document and the pass™.

### 4.2 Tools and Equipment Required

Install EUROLine using standard carpentry tools and equipment, including a hard tipped handsaw, a skill saw with tungsten tipped blade, an electric drill, a chalking gun, and nail guns. Use tools in accordance with good trade practice and supplier's instructions.

### 4.3 Preparation

Prepare the substrate.

Ensure all framing is clean and dry and has a moisture content of no greater than 18%.

Ensure the panels have been acclimatised for 48 hours.

### 4.4 Internal Lining Installation

For use as a lining, stud spacing of 450 mm to 600 mm for horizontal installation or 600 mm for vertical installation is required. Fixings should be 300 mm to the perimeter of the panel and through the body of the panel. All fixings should be no less than 12 mm from the sheet edge.

5 mm expansion gap must be provided between panels, at the end of the wall and at the top and the bottom of the wall.

There are no requirements for fixing type and the decision on what to use may be based on an aesthetic look wanted by the designer or homeowner. Options for fixing include:

- finishing pins in conjunction with panel adhesive
- diameter- spiral, ring or grooved shank nails that are 2.5 times the panel thickness in length, with a minimum length of 50mm, and 3.0 mm minimum diameter

- staples that are a minimum gauge of 1.53 mm, length 50 mm and width 11 mm
- self-tapping woodscrews with a countersunk head, 2.5 times the panel thickness in length, with a minimum length of 45 mm, and a minimum diameter of 4.2 mm.

For walls greater than 5m in height and where hanging loads are to be attached, the vertical joints should be supported by the studs.

For vertical applications, EUROLine requires one vertical row of fixings at 150 mm centres through the supporting stud.

## 5. Completion

EUROLine must not be left uncoated. It must be coated with paint or a stain system compatible with composite timber products and suitable for the intended use.

EUROLine may also be finished with a polyurethane. You may also add a bit of paint colour to the polyurethane to give a colour option as well as a sealer.

## 6. Care and Maintenance

Refer to the EUROLine Care and Maintenance Guide for more information.

EUROLine can be affected by moisture and humidity; its ongoing performance and appearance relies on the coating. Check the coating or covering annually for wear and damage and repair if necessary. Re-apply coating in accordance with the coating supplier's requirements.

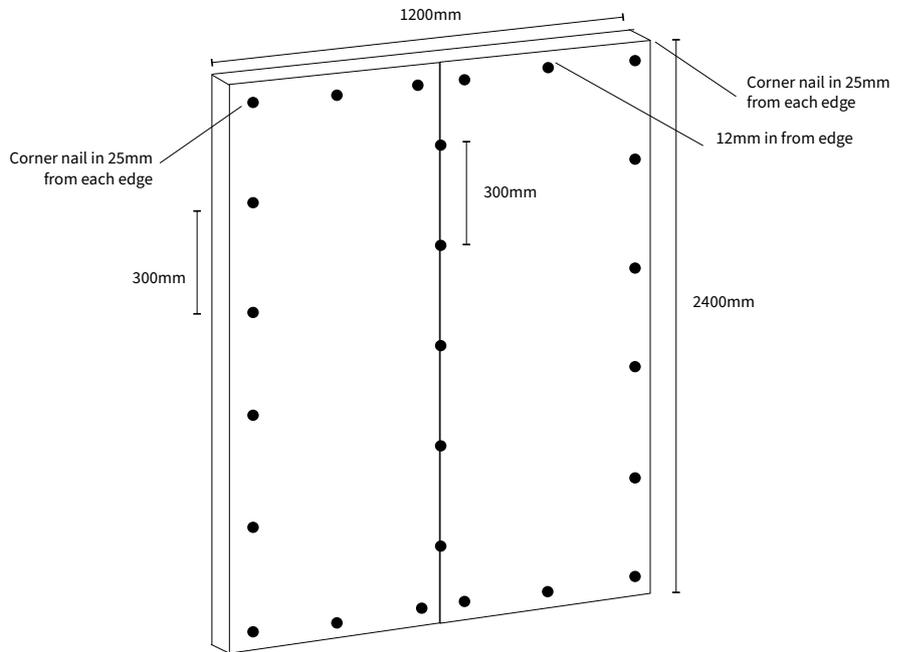
## 7. Warranty

For our warranty information, refer to our EUROLine warranty which can be found in [www.ibs.co.nz](http://www.ibs.co.nz).

## 8. Installation Diagrams

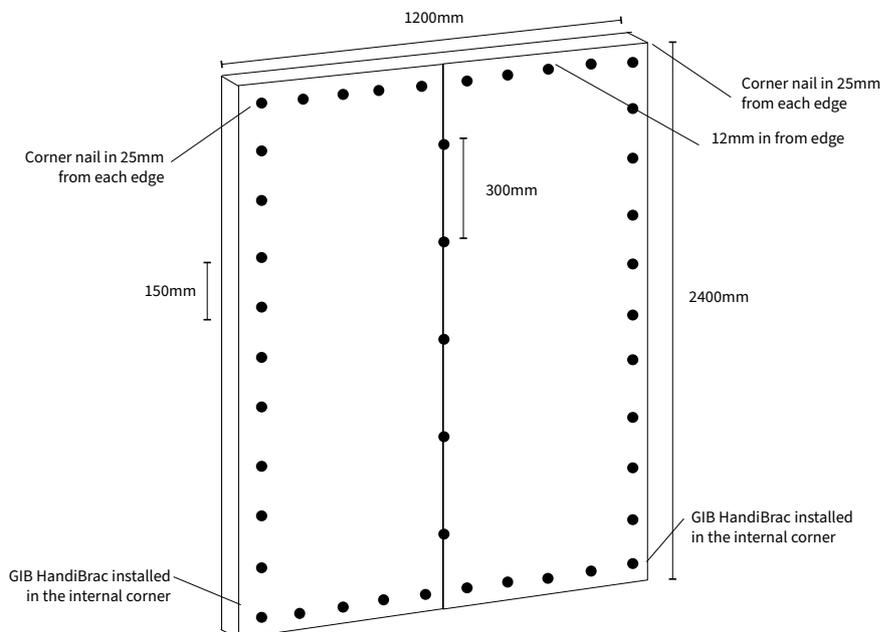
### EUROLine General Installation

- Stud spacing of 450 mm to 600 mm for horizontal installation or 600 mm for vertical installation is required
- Fixings should be 300 mm to the perimeter of the panel and through the body of the panel. All fixings should be no less than 12 mm from the sheet edge.
- 5 mm expansion gap must be provided between panels, at the end of the wall and at the top and the bottom of the wall.
- No specific requirements for fixing type



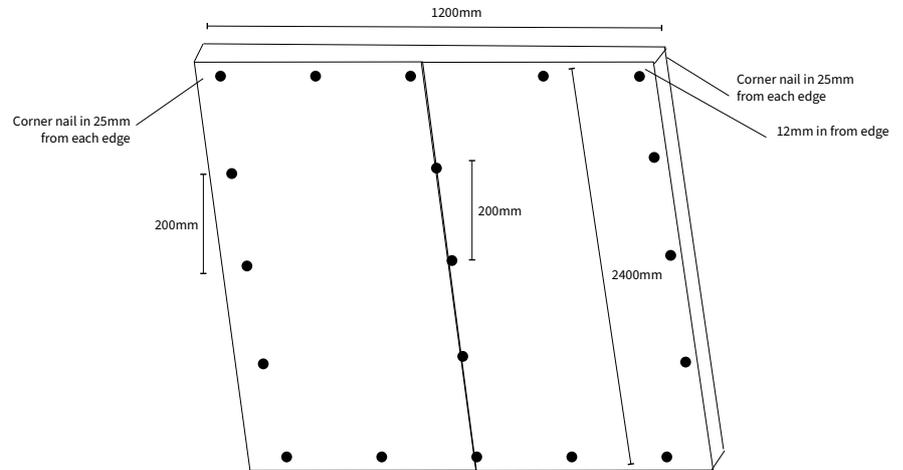
### EUROLine as Bracing Installation

- 90 x 45 SG8, H1.2 timber studs (600 mm centres with 2 horizontal rows of nogs or dwangs)
- 90 x 45 SG8, H1.2 timber top and bottom plates
- 9 mm EUROLine, one side fixed with 50 x 2.5 jolt head galvanised nails at 150 mm centres to sheet perimeter and 300 mm centres to the interior of the sheet
- 12 or 18 mm EUROLine, one side fixed with 60 x 2.5 jolt head galvanised nails at 150 mm centres to sheet perimeter and 300 mm centres to the interior of the sheet
- GIB HandiBrac® brackets to wall ends and bottom plate
- Tested with M12 hold down bolts to GIB HandiBrac® brackets and bottom plate.



### EUROLine Ceiling Installation

- Stud spacing of 450 mm to 600 mm for horizontal installation or 600 mm for vertical installation is required
- Fixings should be 200 mm to the perimeter of the panel and through the body of the panel. All fixings should be no less than 12 mm from the sheet edge.
- 5 mm expansion gap must be provided between panels, at the end of the wall and at the top and the bottom of the wall.
- No specific requirements for fixing type





Scan the QR code to view all EUROLine documents.



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