IBS FIBRE® Gloss

September 2025

Design & Installation Guide

IBS SUSTAINABLE BUILDING PRODUCTS

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IBS
SUSTAINABLE BUILDING PRODUCTS

Welcome to Independent Building Supplies (IBS), your trusted partner in the New Zealand building industry. Since our inception in 1993, IBS has been dedicated to sourcing and providing the highest quality building materials from around the globe. As a family business with four generations active in the building industry in New Zealand, we bring a wealth of experience and a deep commitment to excellence.

One of the key aspects that set IBS apart is our commitment to innovation. We are constantly on the lookout for new and improved building materials that can enhance the efficiency and effectiveness of construction projects. Our team of experts works closely with suppliers to bring cutting-edge products to the New Zealand market, ensuring that our customers have access to the latest advancements in building technology.

But our commitment to excellence doesn't stop at our products. At IBS, we pride ourselves on providing unparalleled customer service. Our knowledgeable and friendly team is always on hand to offer expert advice and support, helping you choose the right materials for your project.

ABOUT IBS

At IBS, we recognise that the foundation of any great building project lies in the quality of the materials used. That's why we meticulously select our suppliers, ensuring that every product meets our stringent standards for durability, performance, and sustainability. Our extensive range of offerings includes everything from plywood and panels to flooring and cladding, all tailored to meet the diverse needs of the New Zealand market.

OUR PRODUCT RANGE

We seek to develop the most innovative, professional and profitable experience for our clients.
Our passion is for providing our customers with the best products, the best service, and the best experience

In addition to our exceptional product range and customer service, IBS is also dedicated to sustainability. We recognise the importance of protecting our environment and are committed to sourcing eco-friendly building materials. Our sustainable product offerings help reduce the environmental impact of construction projects, allowing our customers to build responsibly without compromising on quality or performance.

IBS is more than just a supplier of building materials; we are a partner in your success. Our comprehensive range of services includes everything from product sourcing and logistics to technical support and training. We work closely with our customers to understand their unique needs and provide tailored solutions that help them achieve their objectives.

Join the countless builders, contractors, and homeowners who trust IBS for their building material needs. Discover the difference that quality, innovation, and exceptional service can make in your next project. Choose Independent Building Supplies – your partner in building excellence for over 30 years.

- **IBS RigidRAP®**
- **IBS RigidRAP®- XT**
- **IBS EUROFloor**
- **IBS EUROLine**
- **IBS FIBRE® Range**
- **IBS Structural Ply**
- **IBS Builders Grade® Ply**
- **IBS Formply**
- **IBS Decorative Ply**
- **IBS PanelLine®**
- **IBS Showerline**
- **IBS Softboard**
- **IBS Hardboard**
- **IBS Peg Board**
- **IBS Acoustic Panels**
- **IBS Mini Panels**

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NZBN 9429000097253

1. Introduction

1.1 Introduction

IBS FIBRE® Gloss is the ultimate wet wall lining solution, designed for style, built for strength. With its sleek high-gloss finish and robust fibre cement core, it's perfect for transforming bathrooms, laundries, kitchens, wet rooms, and even soffit linings into stunning, low-maintenance spaces.

Whether you're a builder, designer, or DIY enthusiast, IBS FIBRE® Gloss delivers:

- **Brilliant Shine** – Curtain-coated for a flawless, mirror-like finish
- **Moisture Resistance** – Ideal for high-humidity environments
- **Effortless Maintenance** – Wipes clean with just hot soapy water
- **Easy Installation** – Lightweight and available in two versatile sizes:
  2400 x 900 x 6mm and 2400 x 1200 x 6mm

CodeMark certified and exclusively available in white, IBS FIBRE® Gloss is your go-to for premium wet area performance.

1.2 Scope

Scope of Use

IBS FIBRE® Gloss Wet Wall Lining is a high-gloss, fibre cement panel system designed for internal wet area applications where durability, hygiene, and aesthetic performance are critical. This product is suitable for use in both residential and commercial environments across New Zealand.

Substrate Compatibility:

The panels may be installed over:

- Timber or steel framing compliant with NZS 3604
- Approved wet area substrates
- Existing linings, where appropriate and structurally sound

1.3 What is IBS FIBRE® Gloss?

IBS FIBRE® Gloss is a premium fibre cement board designed to meet the needs of both homeowners and builders. This innovative product offers exceptional durability, ease of installation, and a stunning high-gloss finish, making it the ideal choice for a wide range of wet area applications.

1.4 Sizes & Applications

TABLE 1 - IBS FIBRE® Gloss Product Details			
L x W x Thickness (mm)	**Weight (kg**	**IBS product Code**	**GTIN**
2400 x 900 x 6	22.5	IBSFGLOSS062409	9421036230789
2400 x 1200 x 6	28.4	IBSFGLOSS062412	9421036230772

1.5 Benefits

- **High-Gloss Finish:** The Ultimate High-Gloss Wet Area Solution. It provides a sleek, modern look and is easy to clean with just hot soapy water. Avoid using commercial chemicals to maintain its pristine appearance.
- **Durability:** Engineered to withstand moisture, making it perfect for wet areas such as kitchens, labs, washrooms, toilets, hospitals, wet area ceilings, bathroom lining, and shower lining.
- **Easy Installation:** Lightweight and easy to handle, IBS FIBRE Gloss ensures a quick and efficient installation process, saving you time and labour costs.
- **Versatile Applications:** Ideal for a variety of wet area applications, providing a reliable and high-quality building solution.

1.6 Intended Use

IBS FIBRE® Gloss is engineered for installation in the following wet and utility areas:

- Bathrooms and shower enclosures
- Kitchens and food preparation zones
- Laundries and utility rooms
- Laboratories and healthcare facilities
- Toilet blocks and washrooms
- Wet area ceilings and wall linings

1.7 Codemark

IBS is the certificate holder of CodeMark for IBS FIBRE® Gloss. CodeMark is third party certified, allowed for under the Building Act 2004.

A CodeMark certification offers several key benefits:

- **Streamlined Approval Process:** Building Consent Authorities must accept CodeMark certified products as compliant with the NZ Building Code, simplifying the building consent process.
- **Quality Assurance:** CodeMark certification is a consistent and objective measure of quality, ensuring that products meet high standards.
- **Reduced Risk:** Using CodeMark-certified products reduces the risk of defects and installation issues, as these products are thoroughly assessed and verified.
- **Confidence:** It provides confidence to designers, builders, and consumers that the products will perform as expected and comply with regulatory requirements.

Environmental and Regulatory Compliance:

- **CodeMark Certified:** IBS FIBRE® Gloss holds CodeMark certification, ensuring compliance with the New Zealand Building Code. This streamlines the building consent process and provides assurance of product performance.
- **Moisture and Chemical Resistance:** The panels are resistant to moisture and can be cleaned with hot soapy water. Use of commercial cleaning chemicals is not recommended to preserve the high-gloss finish.

1.8 Supporting Info & Documents

This document must be read in conjunction with the:

- IBS Product Specification for IBS FIBRE® Gloss
- IBS FIBRE® Gloss Warranty

CAD details and all other information including any updates are available at www.ibs.co.nz.

2. Best Practice

2.1 Health & Safety

When cutting and handling IBS FIBRE® Gloss sheets, you must always wear safety gloves, eye protection, and a dust mask. Use well-ventilated areas and appropriate cutting tools. Secure sheets to prevent movement. Dispose of offcuts and packaging responsibly. Complete the installation checklist and take clear photos of the finished work for documentation.

IBS FIBRE® Gloss contains sand, a source of respirable crystalline silica. When cut, drilled, or sanded, this product can release fine dust particles that may cause serious health issues if inhaled.

Health Risks:

- Prolonged exposure to silica dust can lead to lung disease (silicosis) and increase the risk of lung cancer.
- The most dangerous dust is the kind you can't see.

Safe Work Practices:

- **Never dry sweep.** Always use an M-Class or higher vacuum or dampen dust before cleanup.
- **Never use grinders.**
- **Always cut in a well-ventilated area** using a dust-reducing circular saw with a compliant blade and vacuum extraction.
- **Wear a properly fitted P1 (or higher) respirator** as per AS/NZS 1716 and follow guidance from AS/NZS 1715:2009.
- **Warn others nearby** before cutting and rotate personnel to limit exposure.

Important:

Intact IBS FIBRE® Gloss sheets pose no health risk. The hazard arises only when dust is generated during mechanical processing.

For further information on Health & Safety, refer to:

- The Absolutely Essential Health and Safety Toolkit
- Worksafe New Zealand Quick Guide.

2.2 Handling & Storage

Loading and Unloading

IBS FIBRE® Gloss cement boards are usually supplied on pallets suitable for forklift. If crane offloading by slings is envisaged, special notification must be made in advance or upon placing orders.

All pallets and crates can be safely handled by using a barge lift or hoisting equipment and straps. Steel cables should not be used as it will damage both the pallet and the panels within.

Transport to Site

Always drive the delivery vehicle as close as possible to the location where the panels are to be installed. When transporting the panels, it is essential to firmly secure the pallets to prevent the panels from sliding or moving while in transit.

Storage

IBS FIBRE® Gloss fibre cement boards are supplied with protective plastic sheeting wrapped around the timber crates. This protection should not be removed until site and structural conditions are prepared and ready for panel installation.

All IBS FIBRE® Gloss fibre cement boards must be stored flat on pallets and placed inside in covered and dry conditions, optimising protection for stored panels against exposure to weather and other unfavourable conditions.

Before installation please check panels for defects.

Site considerations:

- Selection of the right equipment for working from a height
- Safe working with ladders and stepladders
- Maintain a clear unobstructed work area

Important Disclaimer

IBS is not responsible for damage caused by improper storage or handling of IBS FIBRE® Gloss.

To maintain product integrity and ensure optimal performance, always follow the recommended storage and handling guidelines outlined in the official installation guide.

Failure to comply may result in product damage and void warranty coverage.

2.3 Cutting/ Drilling

The method of cutting depends on the volume of cutting required. Panels can be cut using stationary table saws, circular saws, or jigsaws. Cutting should be performed in a dry environment, and dust control measures must be in place.

It is recommended that fibre cement saw blades (see figure 1,2) are used to cut the panels on site. These blades have been designed especially for fibre cement and when correctly employed, a high level of finish can be achieved. The blade is uniquely designed with vibration damping composite body construction and diamond tipped teeth shaped to give a tear-free edge.

When small amounts of cutting are required on site, an alternative to the recommended fibre cement saw blade is a carbide-tipped flat trapezoidal tooth blade. This has limited life and will need regular changing.

Figure 1
Fibre cement blade.

Figure 2
Fibre cement blade.

Also use the following method to cut IBS FIBRE® Gloss Lining:

- Knife
- Hand lever guillotine
- Fibre cement shear

Dust reducing circular saw equipped with a Blade Saw Blade and connected to a M Class or higher vacuum.

When cutting indoors :

- Avoid using a circular saw indoors.
- Set up the cutting station in a well-ventilated area.
- Cut ONLY with a Knife, hand guillotine, or fibre shears (manual, electric, or pneumatic).
- Clean up thoroughly, but never dry sweep. Always hose down with water or use a wet wipe, or employ an M Class or higher vacuum.

If you still have concerns about exposure levels or are unable to implement the suggested practices, please consult a qualified industrial hygienist for further guidance.

During Cutting:

- Ensure good ventilation in the area.
- Position the cutting station to direct dust away from yourself and others.
- Rotate employees on cutting tasks during the shift.
- Use a dust-reducing circular saw connected to an M Class or higher vacuum.
- When sawing, sanding, rebating, drilling, or machining: Wear a P1 respirator or higher, fitted according to manufacturer instructions.
- Keep people at least 2 metres away from the cutting station.
- If not clean-shaven, use a powered air respirator with a loose-fitting head top.
- Wear safety glasses and hearing protection.
- Ensure others nearby follow the same safety measures.
- Clean up carefully; never dry sweep. Use water, wet wipes, or an M Class or higher vacuum.

Drilling IBS FIBRE® Gloss cement boards should be drilled using preferred and more efficient tungsten carbide tipped drills with point angles of 60° to 80° rather than the usual 120° type. See 2.4 below for details.

2.4 Penetration

For smooth, clean cut circular holes:

- Mark the centre of the hole on board.
- Pre-drill a hole to be used as a guide.
- Cut hole to the required diameter using a hole saw fitted to a electric drill where the central bit is inserted into the pre-drilled hole.

For small irregular holes:

- Small rectangular apertures can be achieved by forming a series of small holes around the perimeter of the opening.
- Tap out with a chisel and clean up with sand paper or a rasp.

3. Durability

3.1 Compliance

NZ Building Code Compliance

IBS FIBRE® Gloss is designed to meet the rigorous standards of the New Zealand Building Code (NZBC). It features a high-gloss, impervious surface that aligns with the moisture management requirements of E3/AS1, making it ideal for wet area applications such as bathrooms, laundries, and kitchens.

All installations must follow the guidelines outlined in the official IBS FIBRE® Gloss Design & Installation Guide to ensure compliance with NZBC Acceptable Solutions, including E3/AS1.

3.2 Responsibility

Designers and/or contractors responsible for the intended project should follow the details and recommendations specified in this manual.

It is also wise to keep in mind that all designs and constructions should comply with appropriate and relevant requirements of current legal building codes, regulations and standards, both domestic and international.

*The information provided in this installation guideline is valid at the time of publication.

3.3 Conditions

General

- Ensure the existing substrate is level using a straight edge and is not out of level by more than 1mm over 1 metre length.
- Ensure the substrate is clean, dry, and free from dust or debris before installation.
- Maintain a consistent temperature and humidity level during installation to ensure optimal performance.
- Inspect the IBS FIBRE® Gloss for any damage before installation; replace any damaged sheets.
- Walls shall include those provisions as required by the NZBC Acceptable Solution ‘E2/AS1’ ‘External Moisture’. In addition all wall openings, penetrations, junctions, connections, window sills, heads and jambs must incorporate appropriate flashings for waterproofing. The other materials, components and installation methods used to manage moisture in external walls, must comply with the requirements of relevant standards and the NZBC.
- For timber frame walls longer than 12m, it is best practice to allow for construction joints to accommodate movements generated due to timber shrinkage or defections.

3.4 Defects

Before Installation, please ensure you check the panels for defects or damage.

3.5 Differing Installation

To ensure the warranty on the product remains valid, it is crucial to follow the design and installation guidelines provided. Failure to adhere to these instructions may result in the warranty being voided.

3.6 Prohibited Uses

Direct Exposure to Heat Sources

Do not install IBS FIBRE® Gloss closer than:

- **200mm** from the outer ring of a gas hob
- **100mm** from the outer ring of an electric (halogen or induction) element

The product is not designed to withstand direct radiant heat and may degrade or discolour if installed too close to cooktops.

Unsupported Structural Use

- IBS FIBRE® Gloss is a lining product and must not be used as a structural element.
- It must be installed over compliant timber or steel framing and must not be relied upon for bracing or load-bearing

Improper Use in Chlorine Environments

- While it can be used in areas like indoor swimming pools, **standard adhesives may not be suitable** in chlorine-rich environments
- Always consult the adhesive manufacturer or use stainless steel screws with cup washers.
- Expect more frequent cleaning and maintenance in these settings

Exterior Applications

- IBS FIBRE® Gloss is designed for interior wet area use only
- It must not be used in external cladding or areas exposed to direct weather

4. Design

4.1 Check the Substrate

- The framing must fully support all sheet edges. It must be rigid and not rely on the cladding sheet for stability. All timber framing sizes must be as specified in this installation guide.
- They must also comply with the NZBC or be suitable for the intended building work.
- Timber framing must be in accordance with framing manufacturer's specification.
- Lightweight steel framing must be in accordance with Nash Design and NZS 3404 Steel Structures Standard.

4.2 Framing

In order to achieve an acceptable wall finish, it is imperative that framing is straight and true. Framing tolerances must comply with the requirements of NZS 3604.

Specific requirements for framing must be determined by a design engineer as per relevant building codes prior to installation.

Galvanised steel or timber may be used. Dimensions (gauge and web depth) will depend on the partition's height and local requirements.

Structure must be sound and aligned and comply with the local regulations. In any case, maximum expected deflections cannot be bigger than L/360.

Minimum width of timber or flange of metal studs must be 35mm to fix the boards. Refer to Figures 3 and 4.

All the edges of the boards must be properly supported. The maximum stud's separation between centres cannot be bigger than 600mm.

Tolerances

Make sure the frame is square and start from a central datum line. The frames should be straight and level to ensure a flush surface for the sheeting.

Figure 3
Timber batten

Figure 4
Metal stud

4.3 Batten Requirements

Timber Framing

Timber framing must comply with NZS 3604: Timber-framed buildings. Where specific engineering design (SED) is used, it must meet or exceed the stiffness provisions of NZS 3604 and follow NZS 3603 and AS/NZS 1170 standards.

Timber treatment and moisture content must align with NZS 3602 .

Steel Framing

IBS FIBRE® Gloss is also suitable for steel framing in accordance with the NASH Standard Part 2: 2019 Light Steel Framed Buildings.

Stud and nog or dwang spacing must match timber framing specifications. Steel frames must be self-supporting and not rely on the lining for structural stability. A minimum flange width of 38 mm is required for proper sheet adhesion.

Batten Requirements

Timber or steel battens are required when installing over:

- Concrete, masonry block, or brick walls or Polystyrene or similar substrates
- Ensure concrete or block walls are fully dried and sealed before battening.
- Battens must be plumb and provide a flat, even surface for sheet installation.

5. Installation

Below is the recommended process for IBS FIBRE® Gloss, please make sure you follow the below steps in order.

5.1 Fixing IBS FIBRE® Gloss

IBS FIBRE® Gloss may be fixed to most substrates, and directly to framing. Direct fixing to concrete or concrete masonry is not recommended. Timber battens or an overlay of suitable substrate is necessary for installations over DPC.

Check the substrate is level and true. Ensure all surfaces are clean, dry, smooth and free from dust, grease, solvent, wax. Lightly sand glossy surfaces to remove sheen.

Ensure adequate framing support to all edges and where penetrations are made for plumbing fixtures.

Where IBS FIBRE® Gloss sheets are to be glued directly to timber framing, check that the moisture content of the timber is no more than 18%.

Preparing a Dry Layout

Complete a dry layout before applying any adhesive. This step is important to ensure that the final placement of IBS FIBRE® Gloss sheets is square and true. A dry layout will also reveal if adjustments are needed to walls, or if sheets need to be trimmed to accommodate wall, floor, or ceiling alignment.

When planning the layout, consider the placement and sheet size to ensure that all joins meet on a stud if fixing to framing. Sheets must always be installed vertically, not sideways or horizontally, with allowances made for trim installation. Always install the sheets in the same vertical direction. Installing sheets sideways or upside down may cause colour variations.

Recommended Adhesives and Sealants

TABLE 2 - IBS FIBRE® Gloss recommended Adhesives and Sealants			
Tape	**Glue**	**Preparation**	**Sealant**
Gator Double Sided Tape	Sika®Flex-123 MS Bond	Sika® Aktivator-205	Sikasil® NG Sealant
	Sika® Premium	Bostik Ultra NP Primer	Bostik MS Safe Sealant
	Soudal Fix All High Tack		Bostik Kitchen & Bathroom Silicone
	Bostik Tuf as nails		Soudal Gorilla Bathroom & Kitchen
			Soudal Gorilla MS Sealant

5.2 Adhesive Fixing Only

Use adhesive fixing to avoid penetrations in the sheet face. Apply a high-quality polyurethane wallboard adhesive to fix the lining to the framing. For adhesive fixing, the sheet can either be used with two-sided adhesive tape or temporarily braced for 24 hours to allow the adhesive to cure.

When using tape, apply long strips on the framing with adhesive daubs at 200mm centers. Do not place tape on the stud where a jointer is fixed. For temporary bracing, ensure the sheet is properly supported, and protect the surface from scratches.

Ensure adhesives are suitable for use with the lining, see page 18 Table 2.

- Peel away the protective layer 100mm around all sides.
- Clean both the frame and sheet surfaces before applying the adhesive.
- Apply adhesive at 200mm intervals and follow the manufacturer's instructions for application.
- Fit aluminium sheet jointers or uPVC jointers ensuring proper spacing between sheets when using silicone sealant in wet areas.
- Install jointers with brad nails at 300mm centers.
- After applying the adhesive you will need to brace temporarily sheet temporally to allow for the adhesive to set properly/ Brace the sheet for 24hours.

Gluing

Wipe the back surface of the IBS FIBRE® Gloss sheet with a damp cloth. If installing over an existing substrate or directly to framing you may apply double-sided foam tape to the back of the sheet around the perimeter to hold the panel while the glue cures as well as the glue.

Sealants

All sealants must comply with the relevant NZBC requirements. Their application should follow the manufacturer's instructions. Before applying a coating over sealants, consult the sealant manufacturer, as some may not recommend this.

5.3 Ceiling Installation

IBS FIBRE® Gloss may be used as a ceiling lining in most situations but is a great ceiling lining when used in a wet area room such as a toilet, bathroom, laundry, kitchen or anywhere you want a great prefinished ceiling that is easy to keep clean.

Check the substrate is level and true and ensure that all surfaces are clean, dry, smooth, and free from dust, grease, solvent, or wax.

Check that the timber ceiling strapping has a moisture content of no more than 18% prior to installation. Ceiling strapping centres are recommended at 400mm but can be up to a maximum of 450 centres.

Wipe the back of the IBS FIBRE® Gloss sheet with a wet cloth prior to installation and allow to dry. Tape may be used to support the IBS FIBRE® Gloss sheets as an interim measure while awaiting the adhesive to cure. Use Gator double-sided tape or equivalent.

Apply the tape to all strapping surfaces. Apply a 5mm bead of adhesive to all contact points with the strapping.

Press the sheet in place and apply pressure evenly across the sheet. Make sure that you also support the sheet while the glue cures with temporary propping.

Ensure that any props are protected with a soft covering so that there is no damage to the sheet surface. Remove any excess adhesive while it is still wet using a damp cloth.

5.4 Fixing to Walls

Adhesive fixing detail

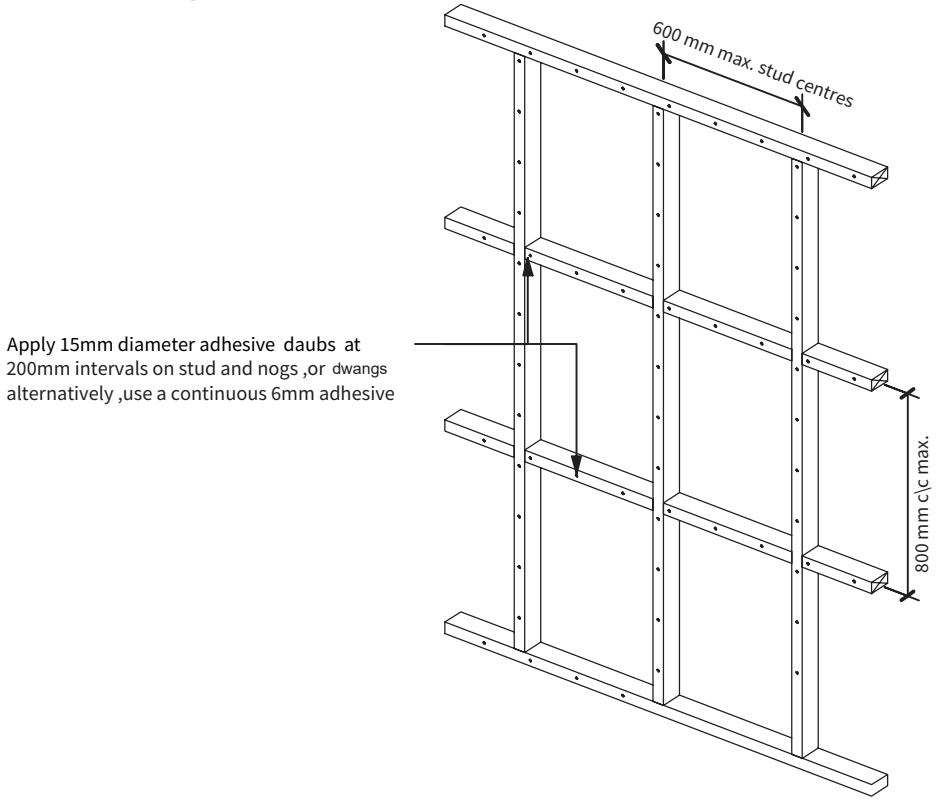


Figure 11

Fixing to walls tape and adhesive method

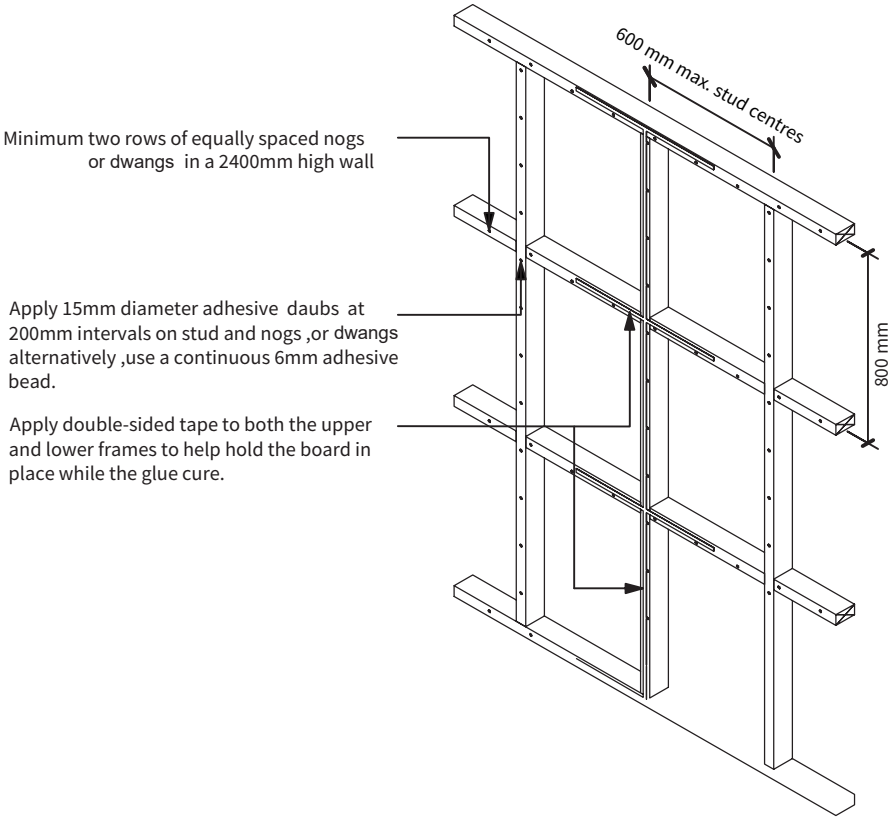


Figure 12

Fixing to Ceilings - Adhesive Method

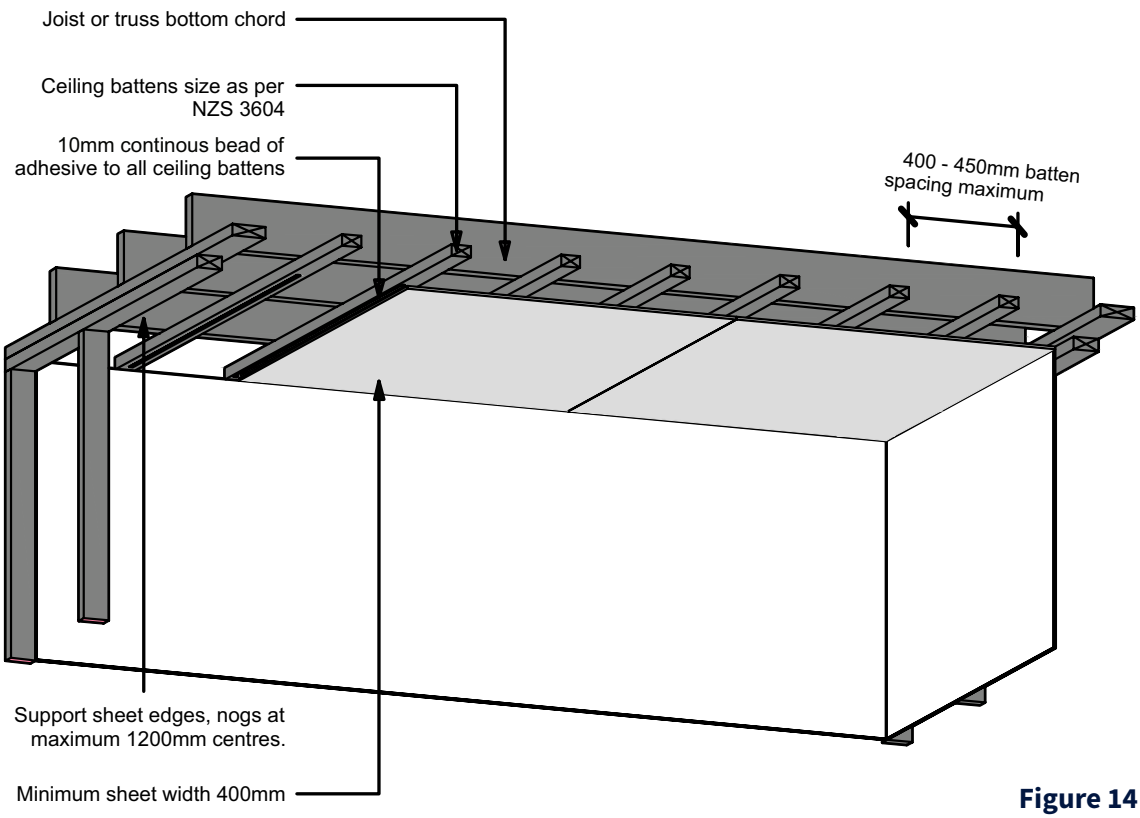
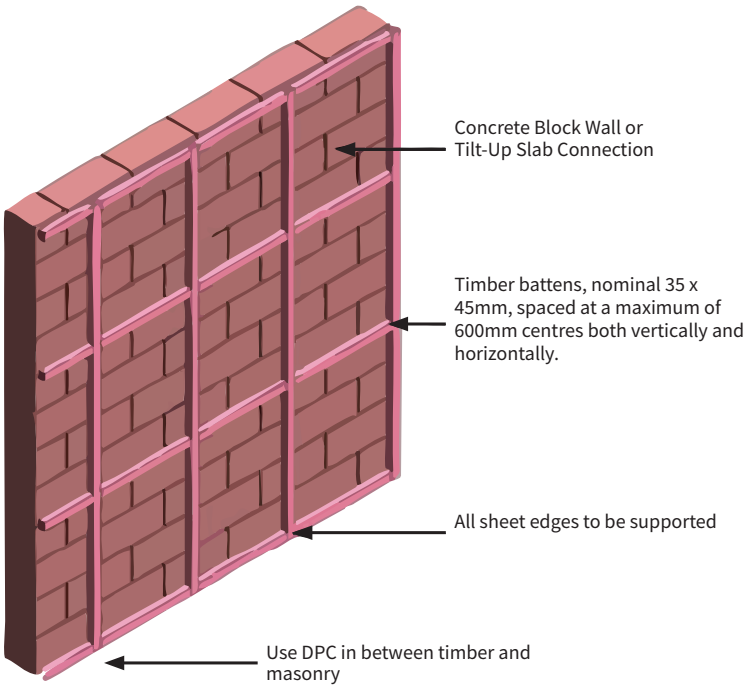


Figure 14

Note: Temporarily brace the sheets fully while the adhesive cures, ensuring the bracing members align with the framing behind the lining.

Lining Over Masonry Wall



Notes

Ensure edges are well braced and timber braces are aligned over solid framing behind tail.

Figure 15

5.5 Adhesive and minimal screw fixing

This method uses adhesive as the primary fixing for the sheet, with a minimal number of Screw fasteners to hold the sheet in place while the adhesive cures. It is especially useful for walls and ceilings where temporary bracing is challenging (see Figure 16).

Fixing to Walls and Adhesive

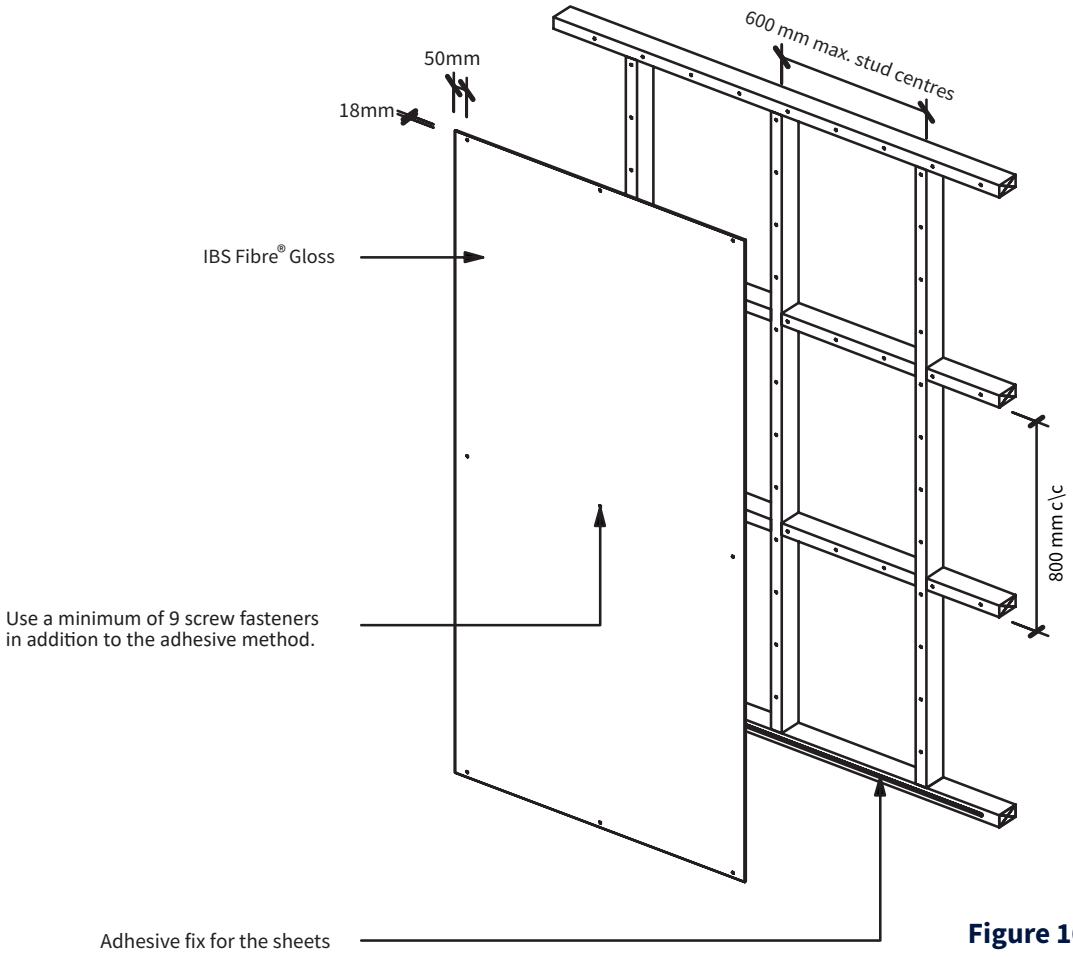


Figure 16

Important notes:

- Cover the sheets when being stored prior to installation.
- The dunnage strapped to the bottom of the packet is for transport only and is not suitable to be used for on-site storage.
- Ensure the area where the IBS FIBRE® Gloss is stored is dry, well-ventilated, and out of direct sunlight.

5.6 Screw Fixing Only

IBS FIBRE® Gloss Sheets can be fixed using Screw fasteners at 300mm centers on all framing for walls and ceilings (see Figure 17). This fully visible mechanical fixing method is ideal when adhesive fixing is not suitable. It is only recommended for walls in dry areas and ceilings in both wet and dry areas. Predrill 6mm holes for Screw fasteners.

Screw detail

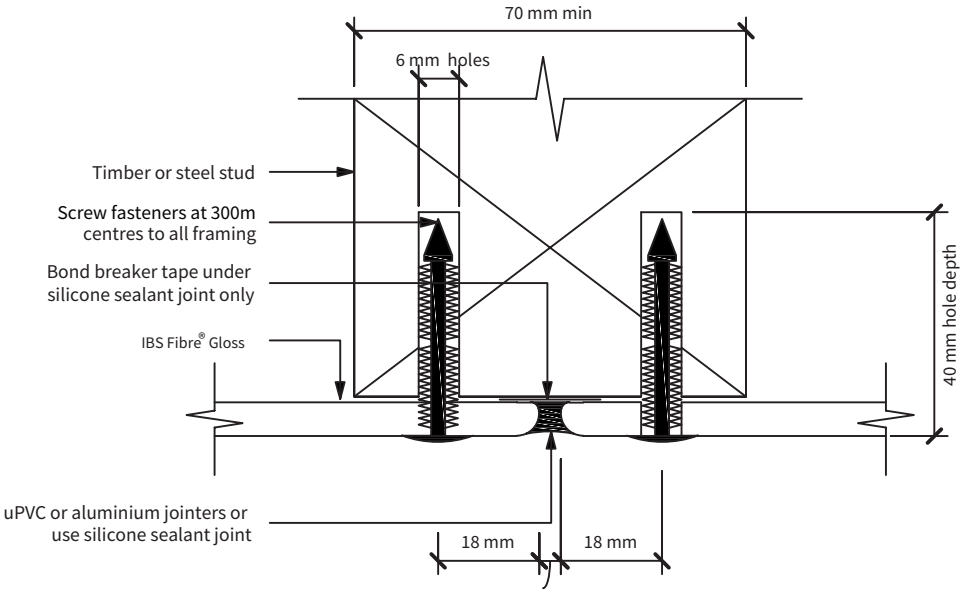


Figure 17

Raised-Head Screw Fixing Method

IBS FIBRE® Gloss Lining can be secured with raised-head screws at 300mm centers to all framing (see Figure 18). This method is suitable for applications requiring removable panels. Predrill holes for screw installation. This method is only recommended for walls in dry areas and ceilings in both wet and dry areas.

Exposed screws fixing

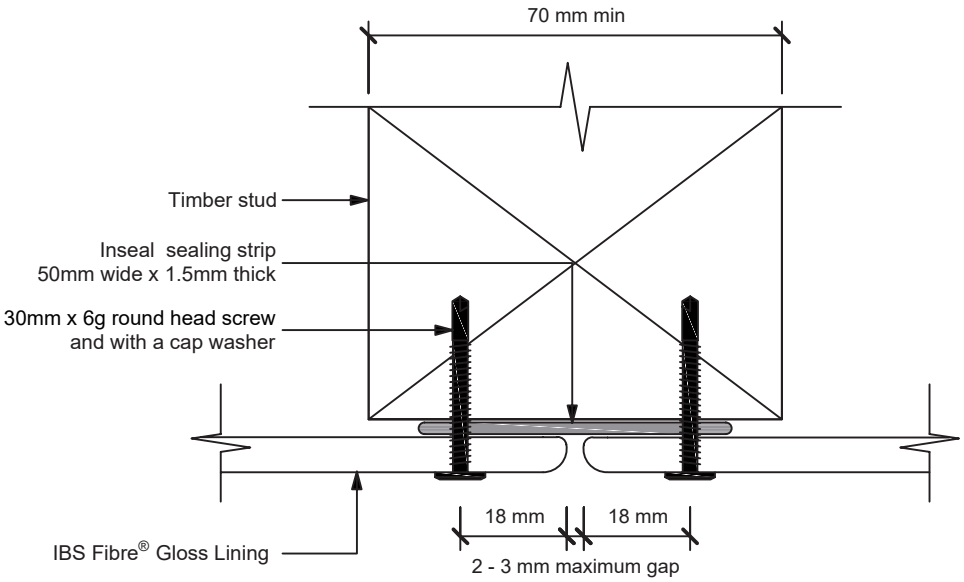


Figure 18

5.7 uPVC Mouldings IBS FIBRE® Gloss Lining

Joints, Corners and Cap

- Fix mouldings with nails at a maximum of 300mm centres.
- When using a cap mould, shorten the vertical jointer to fit.

uPVC Jointer Dry Wall Installation

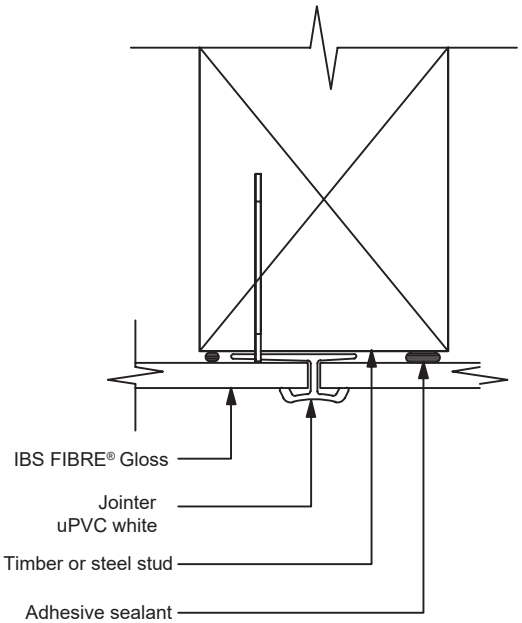
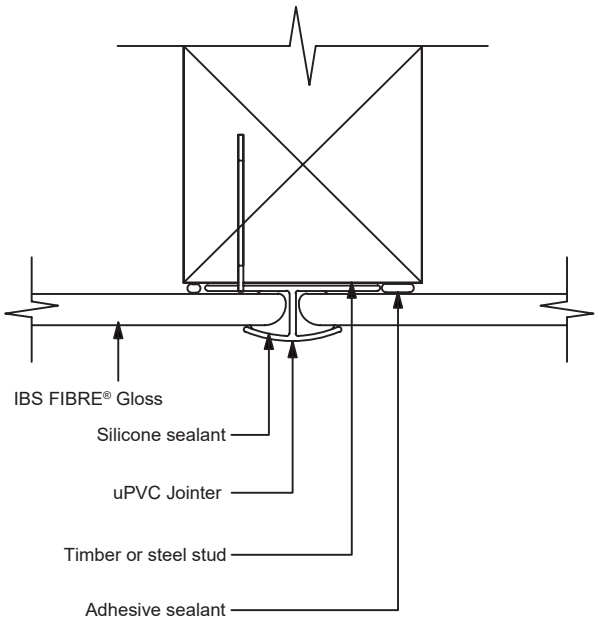


Figure 19

uPVC Wet Wall Installation Jointer Silicone Sealant



Notes: Silicone seal the joint. For full application instructions refer to the sealant manufacturer.

Figure 20

Fixing to Fibre Cement or Plasterboard

IBS FIBRE® Gloss can be installed directly to framing or over a substrate such as IBS FIBRE® WAB or plasterboard.

uPVC Dry Wall Installation Internal Corner

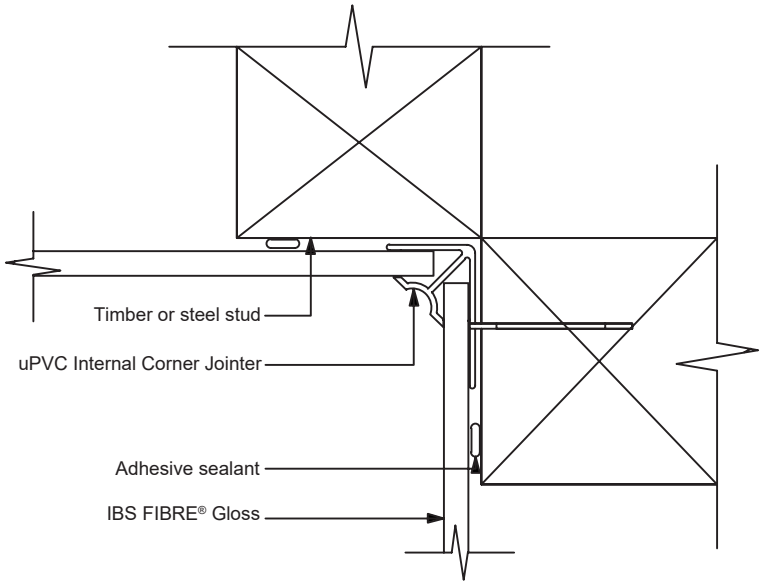


Figure 21

Note: In shower and other wet areas, the uPVC jointer must be filled with silicone sealant

uPVC Wet Wall Installation Internal Corner

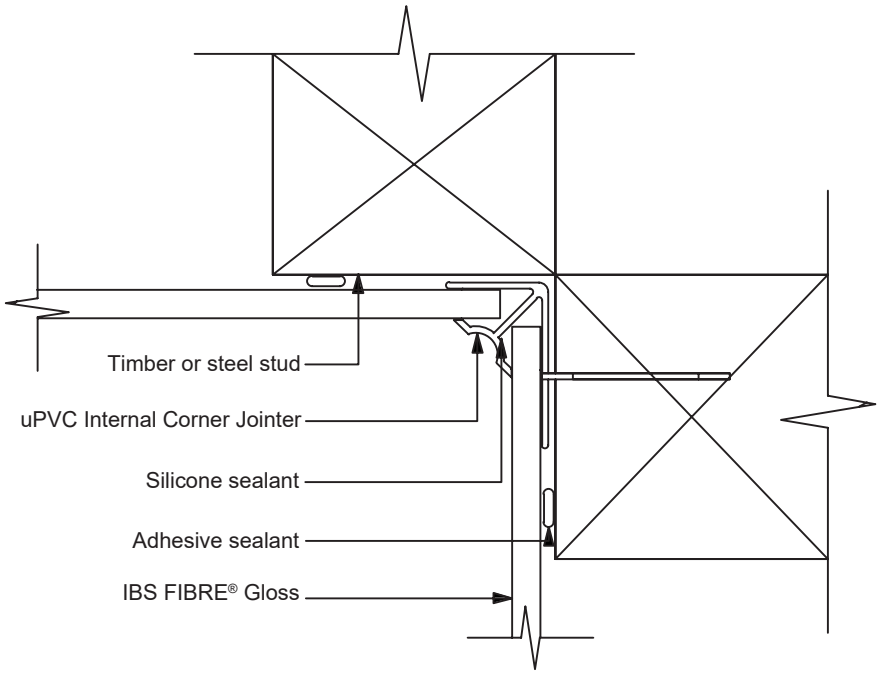


Figure 22

Note: In shower and other wet areas, the uPVC jointer must be filled with silicone sealant

uPVC Dry Wall Installation External corner

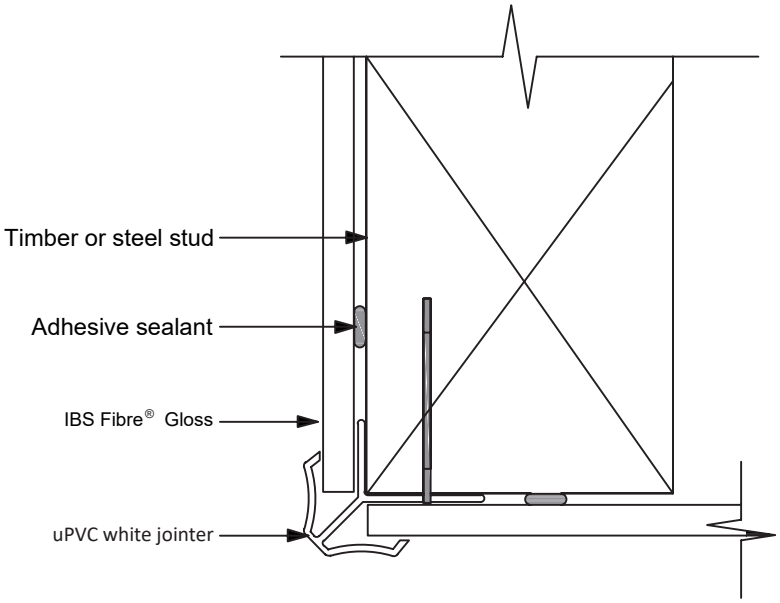


Figure 23

Note: In shower and other wet areas, the uPVC jointer must be filled with silicone sealant

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uPVC Wet Wall Installation External corner

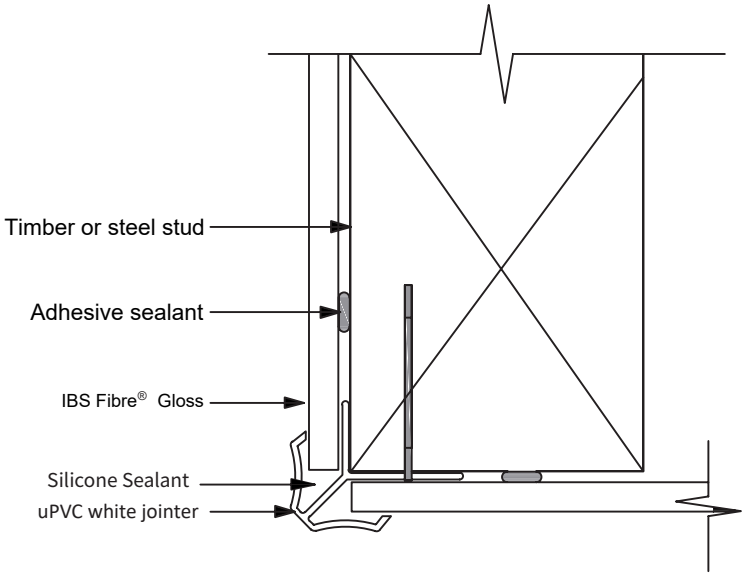

Figure 24

Note: In shower and other wet areas, the uPVC jointer must be filled with silicone sealant

uPVC Internal corner 2 Part

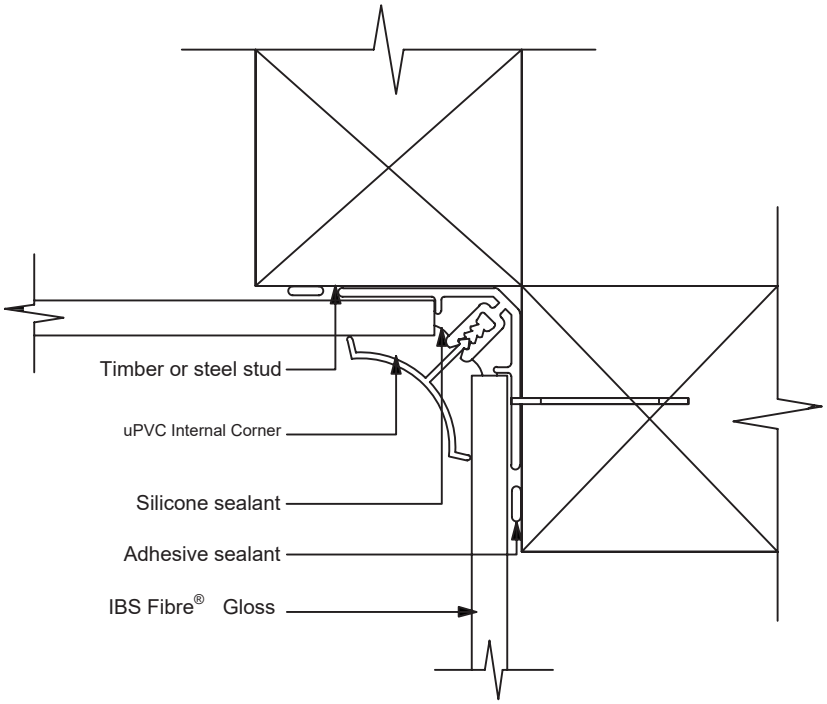

Figure 25

Note: In shower and other wet areas, the uPVC jointer must be filled with silicone sealant

5.8 Aluminium Mouldings

Aluminium Dry Wall Jointer

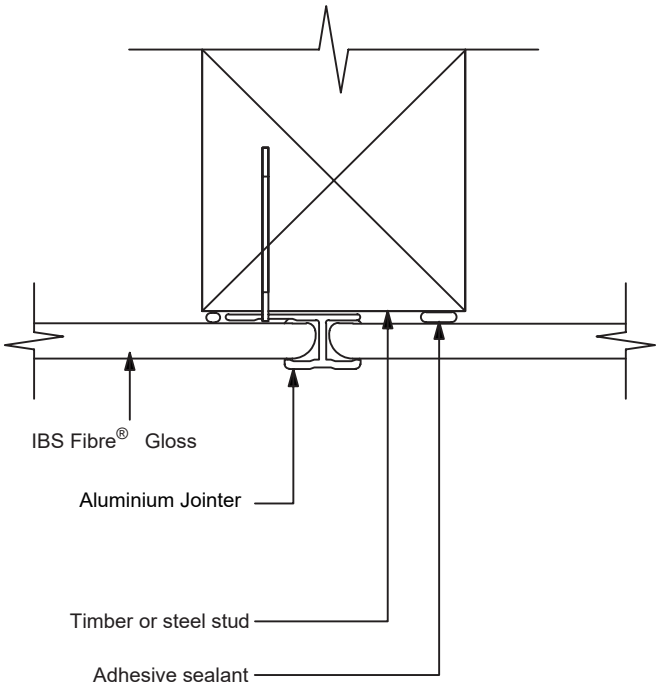

Figure 26

Note: In shower and other wet areas, the Aluminium jointer must be filled with silicone sealant

Aluminium Wet Wall Jointer

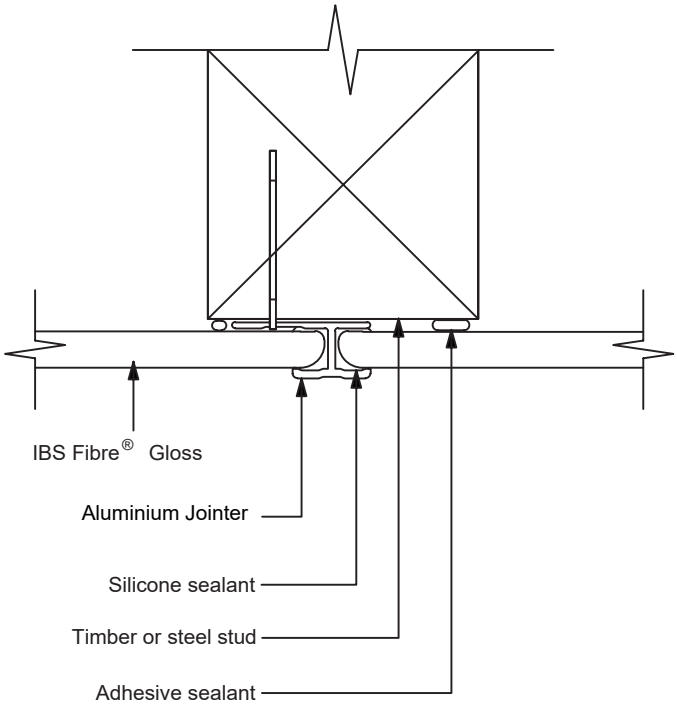

Figure 27

Note: In shower and other wet areas, the uPVC jointer must be filled with silicone sealant

Negative Detail Aluminium Jointer

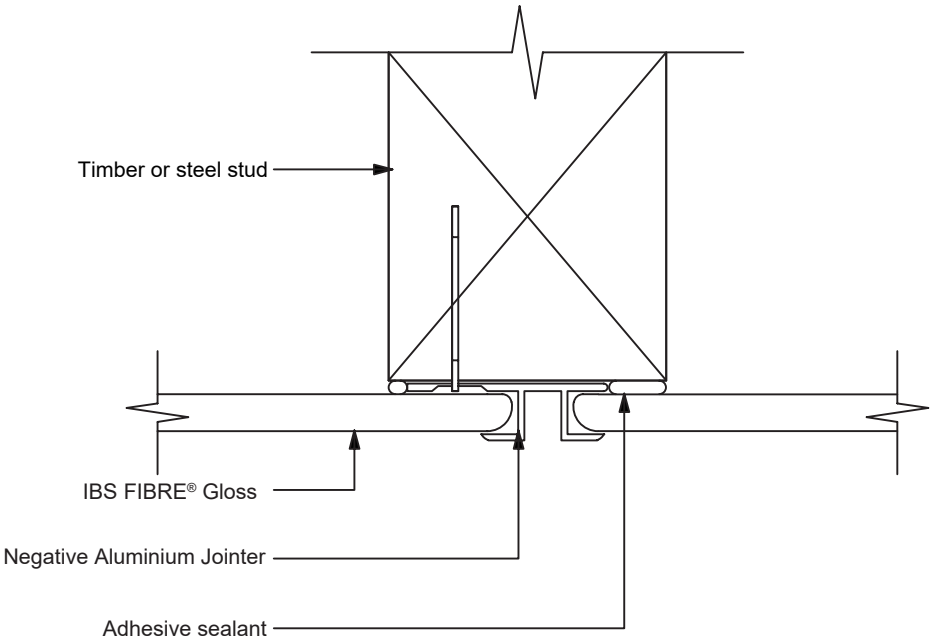

Figure 28

Note: In shower and other wet areas, the Aluminium jointer must be filled with silicone sealant

5.9 Dry Wall Aluminium Internal Corner

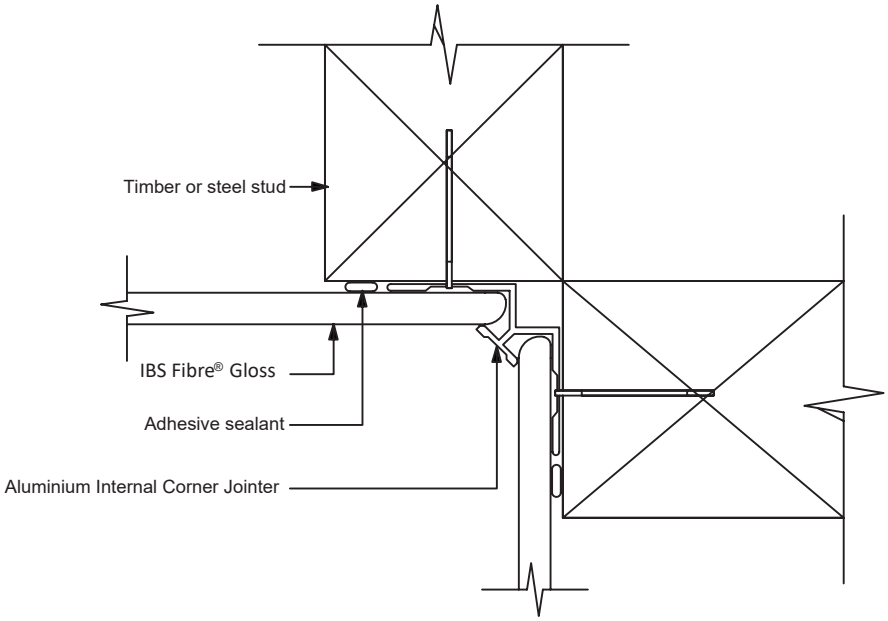

Figure 29

Penetrations:

- Seal all fittings and penetrations through IBS FIBRE® Gloss Lining with silicone or a similar sealant. Use flanges or face plates to cover the penetrations.
- Ensure proper moisture management for any details not covered in this manual. Refer to the designer for further specifications.

Wet Wall Aluminium Installation Internal Corner

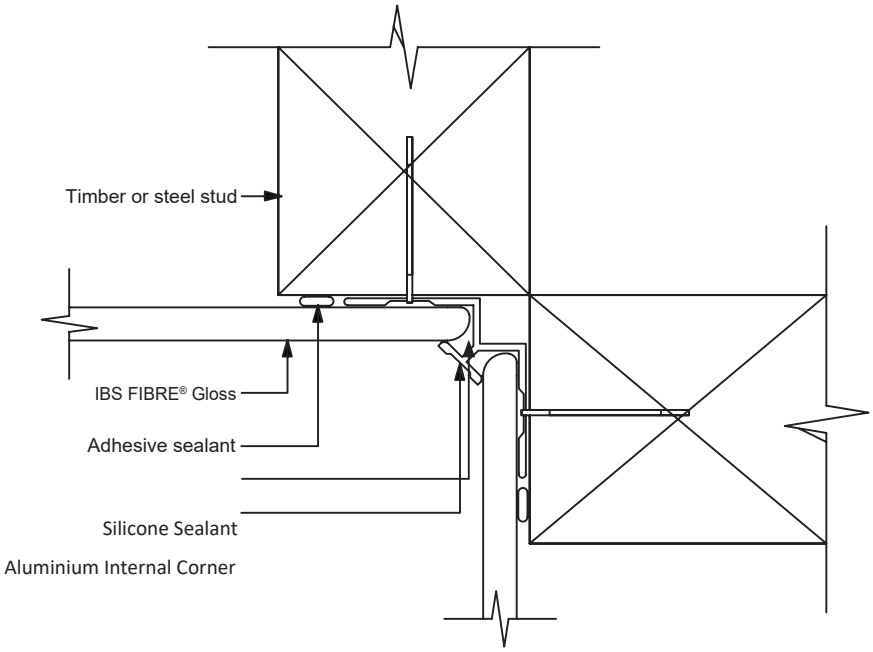

Figure 30

Note: In shower and other wet areas, the Aluminium jointer must be filled with silicone sealant

Dry Wall Installation Aluminium External corner

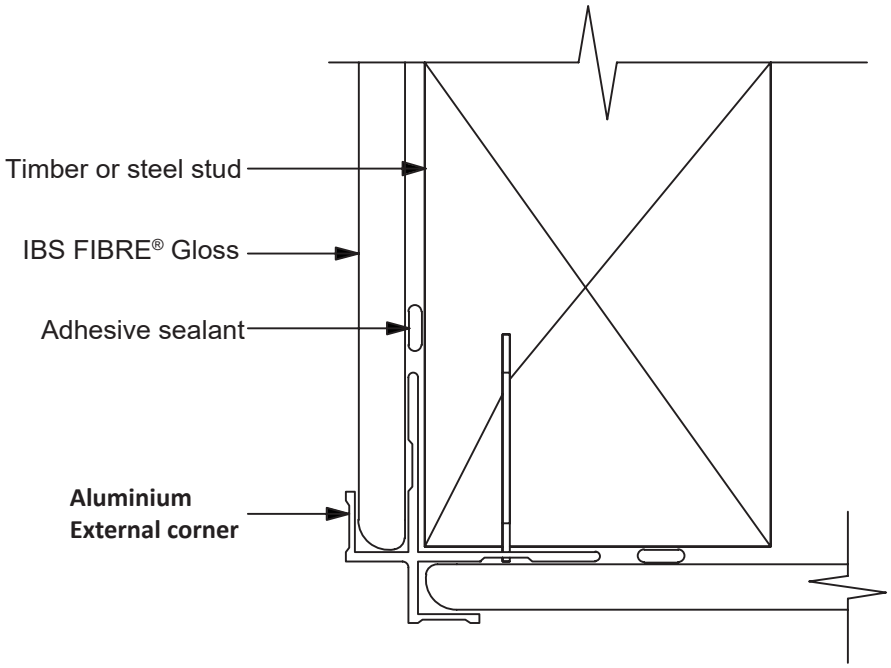

Figure 31

Note: In shower and other wet areas, the Aluminium jointer must be filled with silicone sealant

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Wet Wall Installation Aluminium External corner

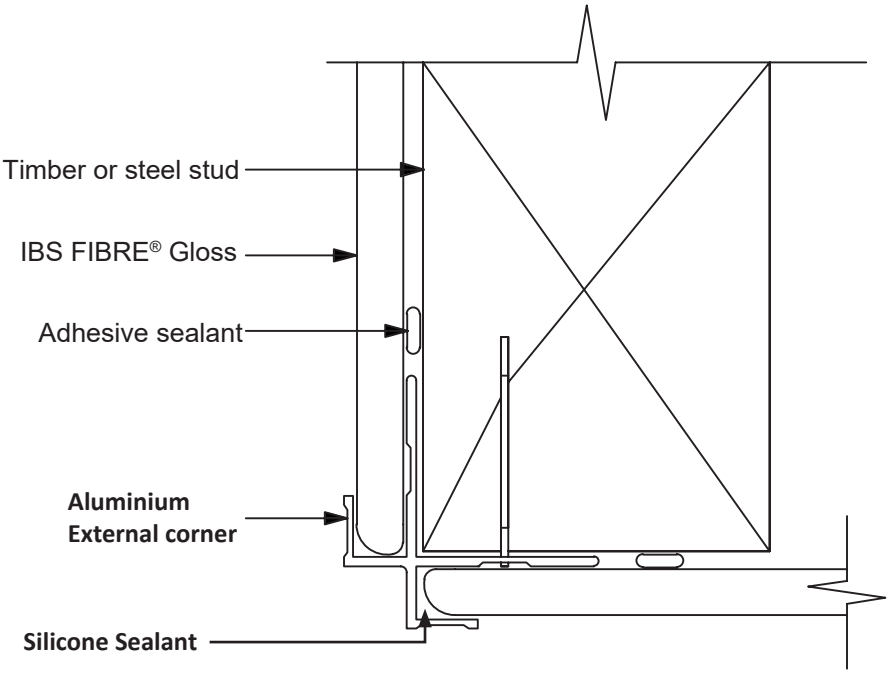


Figure 32

Note: In shower and other wet areas, the Aluminium jointer must be filled with silicone sealant

5.10 Silicone Joints

This method is suitable for dry areas only.

- Use in dry areas only.
- Apply bond breaker tape to framing behind joints (see Fig. 33).
- Remove protective film from sheet edge.
- Use factory-painted, radiused edges for all flat joints (see Fig. 33).
- For internal corners, install sanded, primed site-cut edge first; position factory edge 3–4mm from the first sheet.
- Fit first sheet, then use spacers at 300mm centres. Place second sheet against spacers for correct silicone gap.
- Temporarily brace sheets until adhesive cures (per manufacturer instructions).
- Mask both sides of joint with approved tape (see Table 2).
- Prime and seal joint with silicone as directed.
- Smooth sealant, then remove masking tape while sealant is still wet.
- Avoid skin contact with sealant, use tools, gloves, or a plastic barrier.

5.11 Flexible silicone sealant

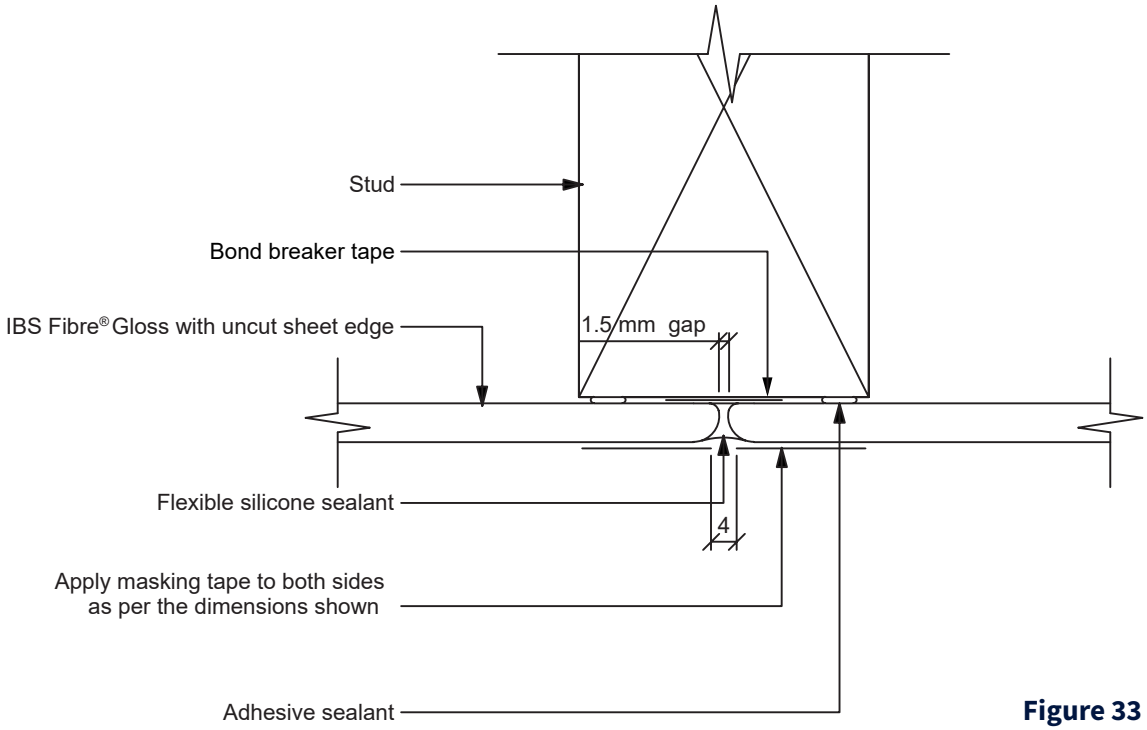


Figure 33

Sealant notes:

1. Cut edges must be site sealed with Dulux® 1 Step, Dulux® Acraprime® 501/1 or similar before sealant is applied.
2. Silicone seal the joint. For full application instructions refer to the sealant manufacturer.

5.12 Wall to Ceiling joint

IBS FIBRE® Gloss Lining 6mm scotia mould options

Use a timber moulding, cap moulding, or a uPVC scotia mould.

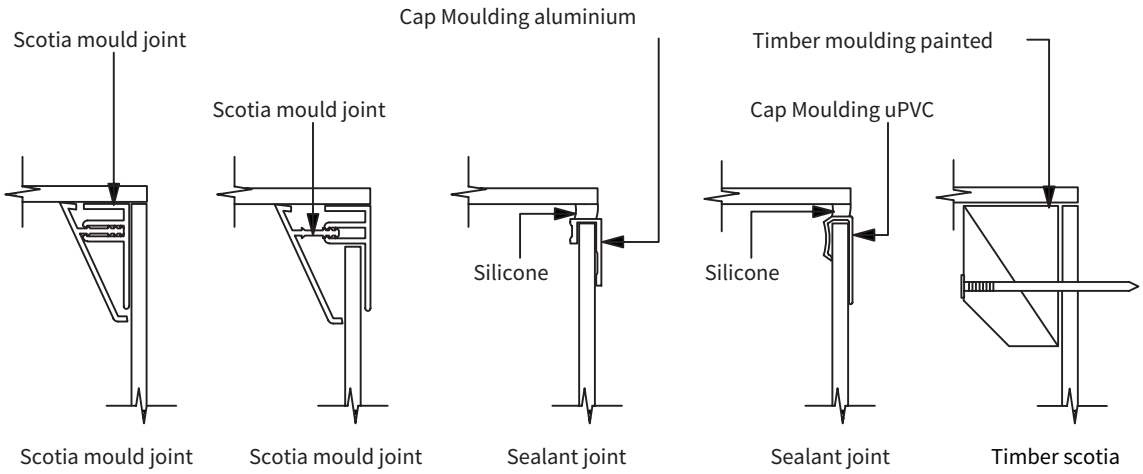


Figure 34

5.13 Wet Area Wall Joints

When using the uPVC or aluminium jointer method for wet area applications, ensure that all sheet edges are sealed into the jointers with silicone sealant. A sealant-only joint should not be used in shower applications.

Joints, Corners & Capping

Secure mouldings with nails at a maximum of 300mm centres.

When using a cap mould, shorten the vertical jointer to suit the sheet thickness.

Joining IBS FIBRE® Gloss 6mm

Use uPVC, natural anodised aluminium, or powder-coated coloured aluminium jointers.

5.14 Trimming

Attach inside/outside corner trims with adhesive to the substrate, using a small bead of adhesive.

Apply a bead of sealant into each of the channels of the trim to prevent water reaching the substrate.

Attach universal J trims (to finish the terminal end of sheets) by sliding into place on the sheet's edge.

Do not apply adhesive within a few centimetres of the edge of the sheet. Apply a bead of sealant into the receiving channel of the trim and press into place.

Attach L trims (to cover an old existing exposed tiles) by pressing the trim into place with a bead of sealant on both the sheet and the substrate.

External corner mould

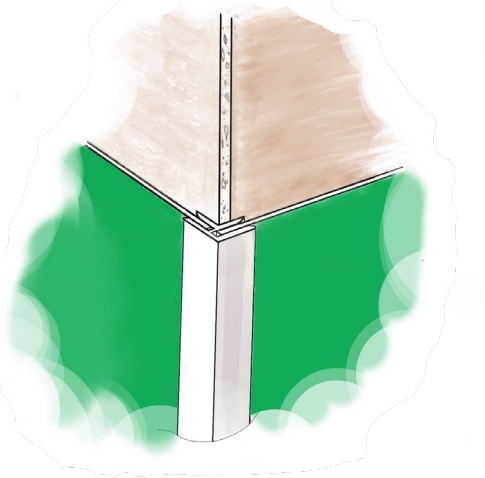


Figure 5

Internal corner mould

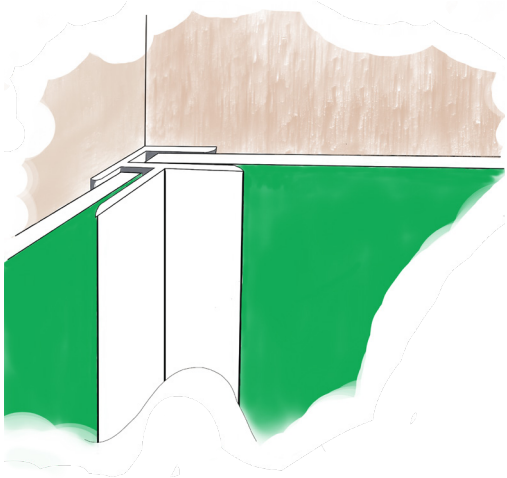


Figure 6

Panel vertical jointer

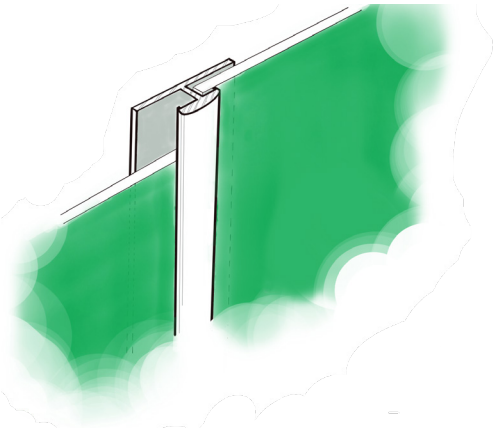


Figure 7

Top finishing mould

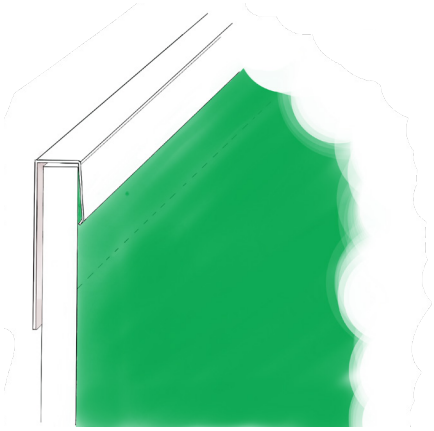


Figure 8

5.15 Creating Openings

To create openings for outlets and switches, mark the area to be removed. At the corner, drill a 15-18 mm diameter hole and cut the remainder of the hole with a fine-tooth jigsaw. Cut from the reverse side as a jigsaw can create scratches to the surface finish.

For circular holes, mark out the area to be removed and drill a series of holes as close as possible to the other using a sharp 3.5 mm – 5.0 mm speed bit. Finish off with a utility knife and push waste material through. Alternatively, a sharp, fine-toothed hole saw of the correct diameter may be used. (See Figures 9, 10).

Marking area to be removed

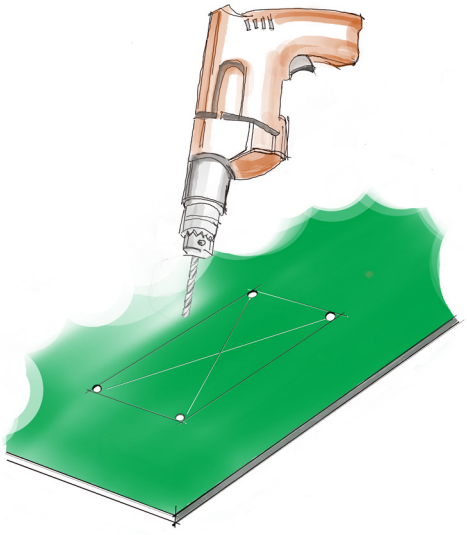


Figure 9

Drilling Circular hole

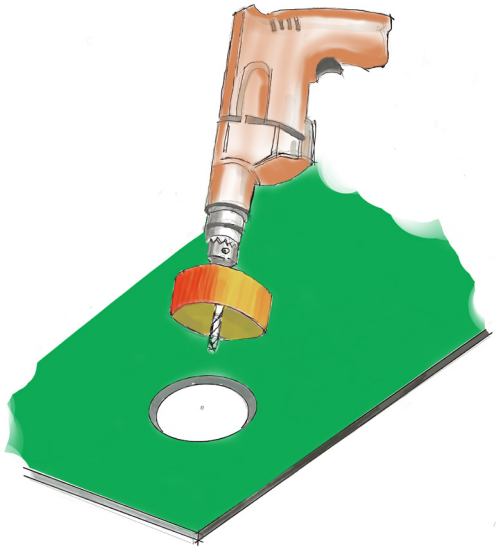


Figure 10

5.16 Lining wall to tiled floor

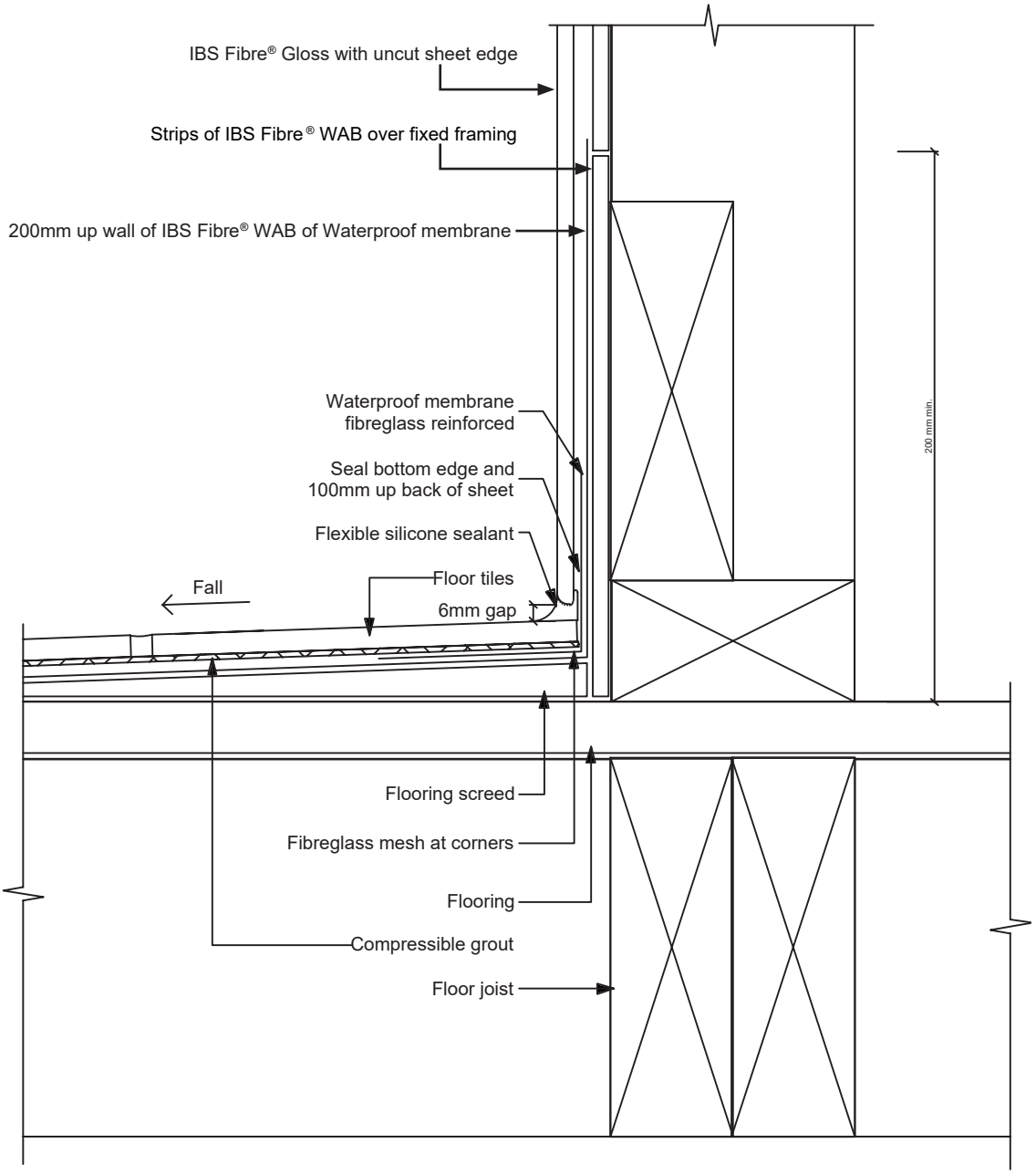


Figure 35

Note 1- The floor should be laid with two directional slopes towards the corner waste. Ensure the perimeter edge of the waste hole is at least 50mm from the edge of the sheet or wall. Build up the slopes around the waste hole before applying the waterproof membrane.
Note 2 – The floor tiles must be installed prior to the installation of IBS Fibre® Gloss

IBS FIBRE® Gloss Lining wall to tiled floor and upstand detail

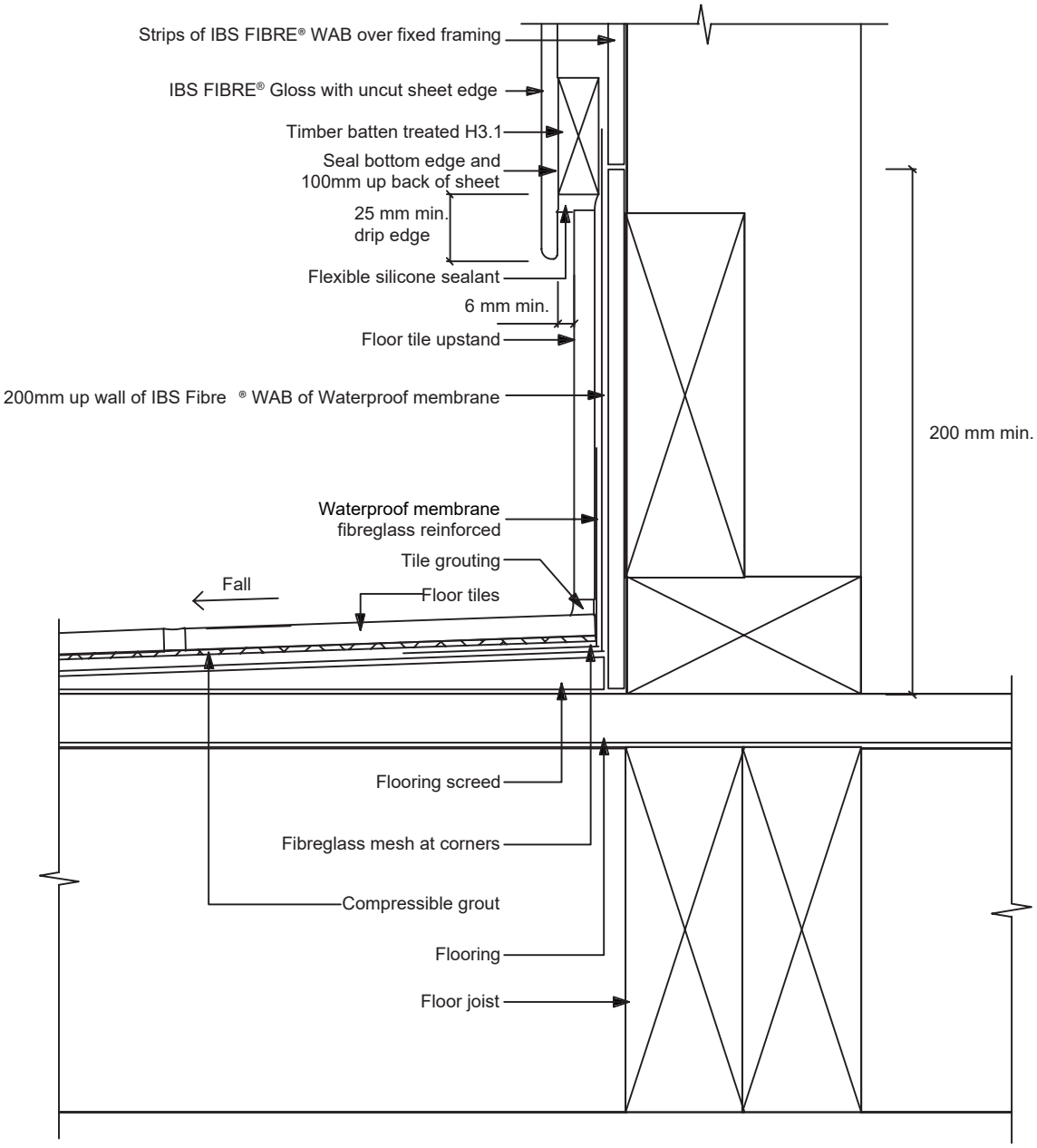
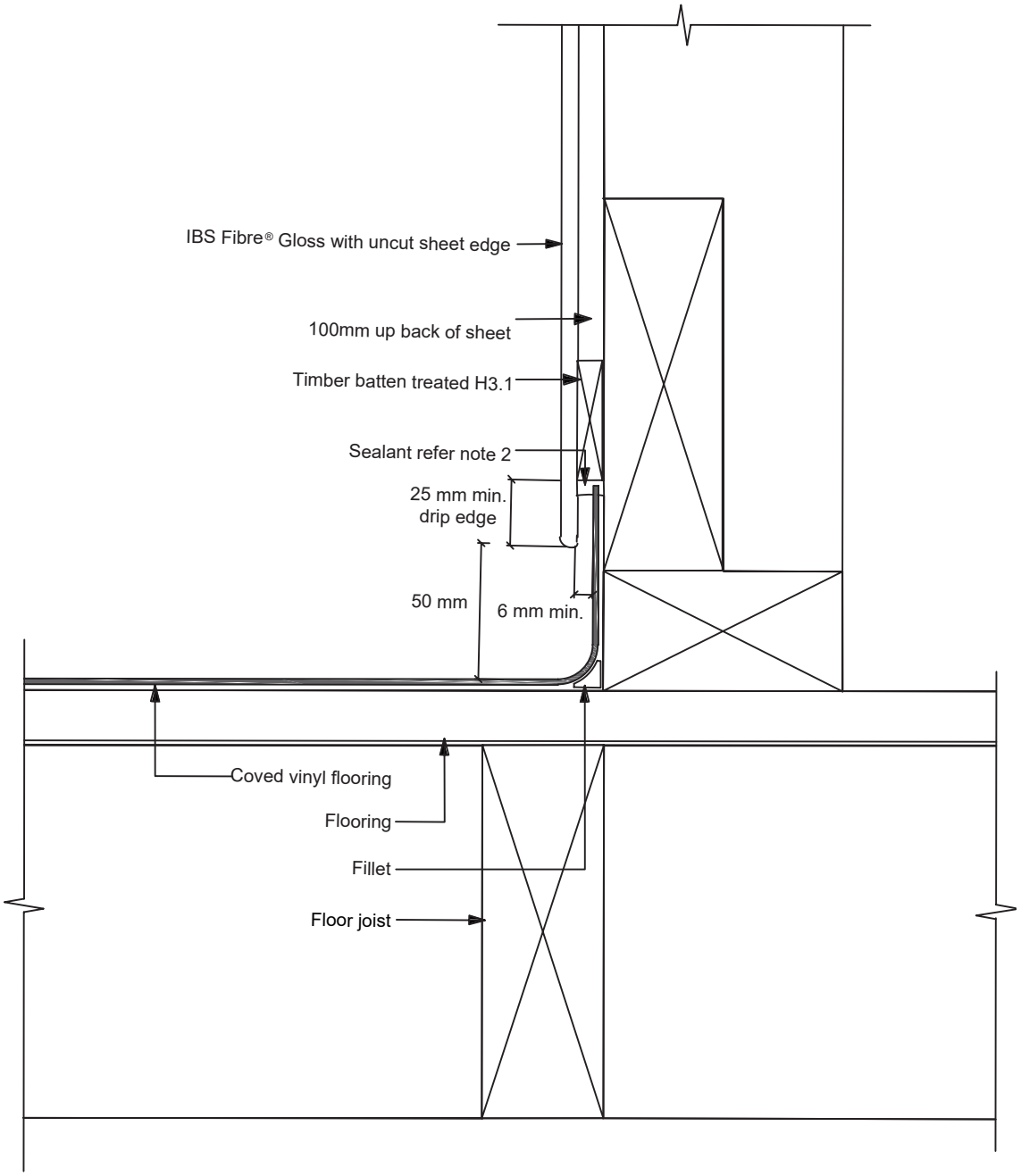


Figure 36

Note 1- The perimeter edge of the waste hole should be at least 50mm from the edge of the sheet or wall. Build up the slopes around the waste hole before applying the waterproof membrane.
Note 2 – The floor tiles must be installed prior to the installation of IBS Fibre® Gloss

IBS FIBRE® Gloss Lining to coved vinyl floor



Note: It is important to use sealant here to prevent possible damage to the framing.

Figure 37

5.17 Around Baths and Showers

Lining bath sealant detail

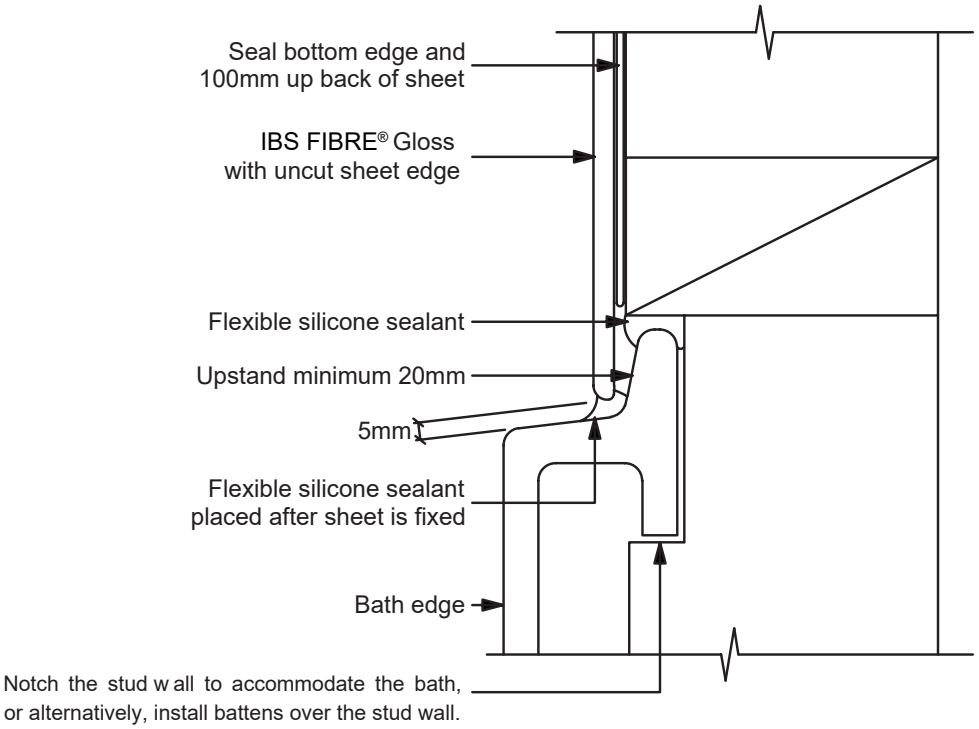


Figure 38

Penetrations:

- Seal all fittings and penetrations through IBS FIBRE® Gloss using silicone or an equivalent sealant.
- Use flanges or face plates to cover the penetrations.
- For details not covered in this manual, ensure appropriate moisture management, consult the project designer.

Around Baths and Showers:

- Use either a silicone seal or a uPVC bath mould around baths.

Lining uPVC bath mould

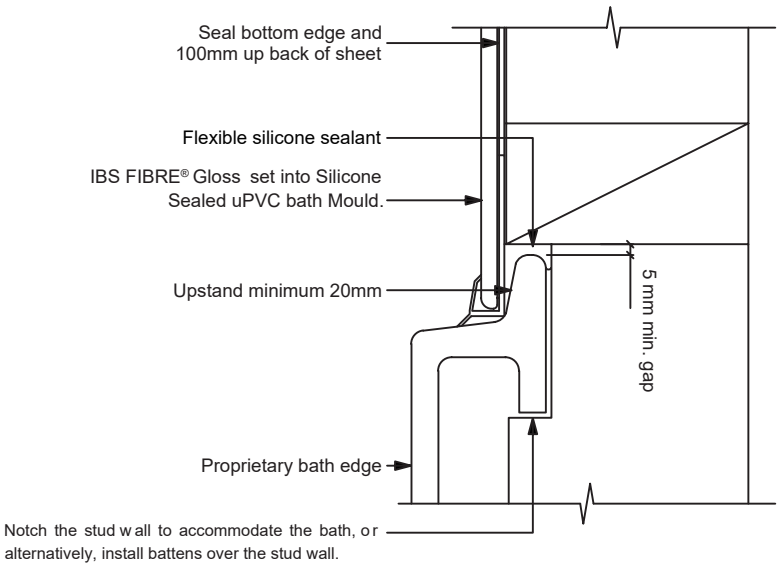


Figure 39

Lining sealant acrylic shower detail

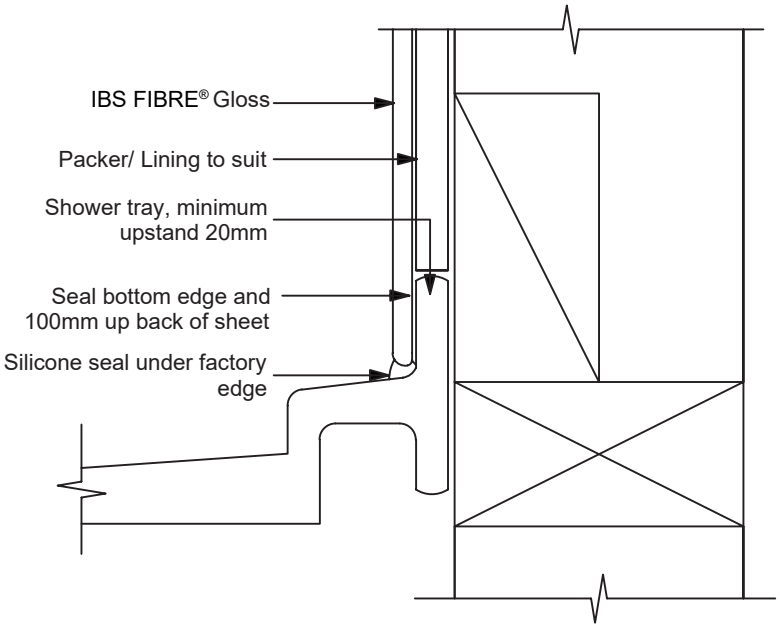


Figure 40

Indoor Swimming Pool Applications

Chlorine environments are not suitable for some wallboard adhesives. Therefore, when using IBS FIBRE® Gloss Lining in areas like indoor swimming pools, consult the adhesive manufacturer to confirm its suitability for this application, or consider using stainless steel screws with cup washers.

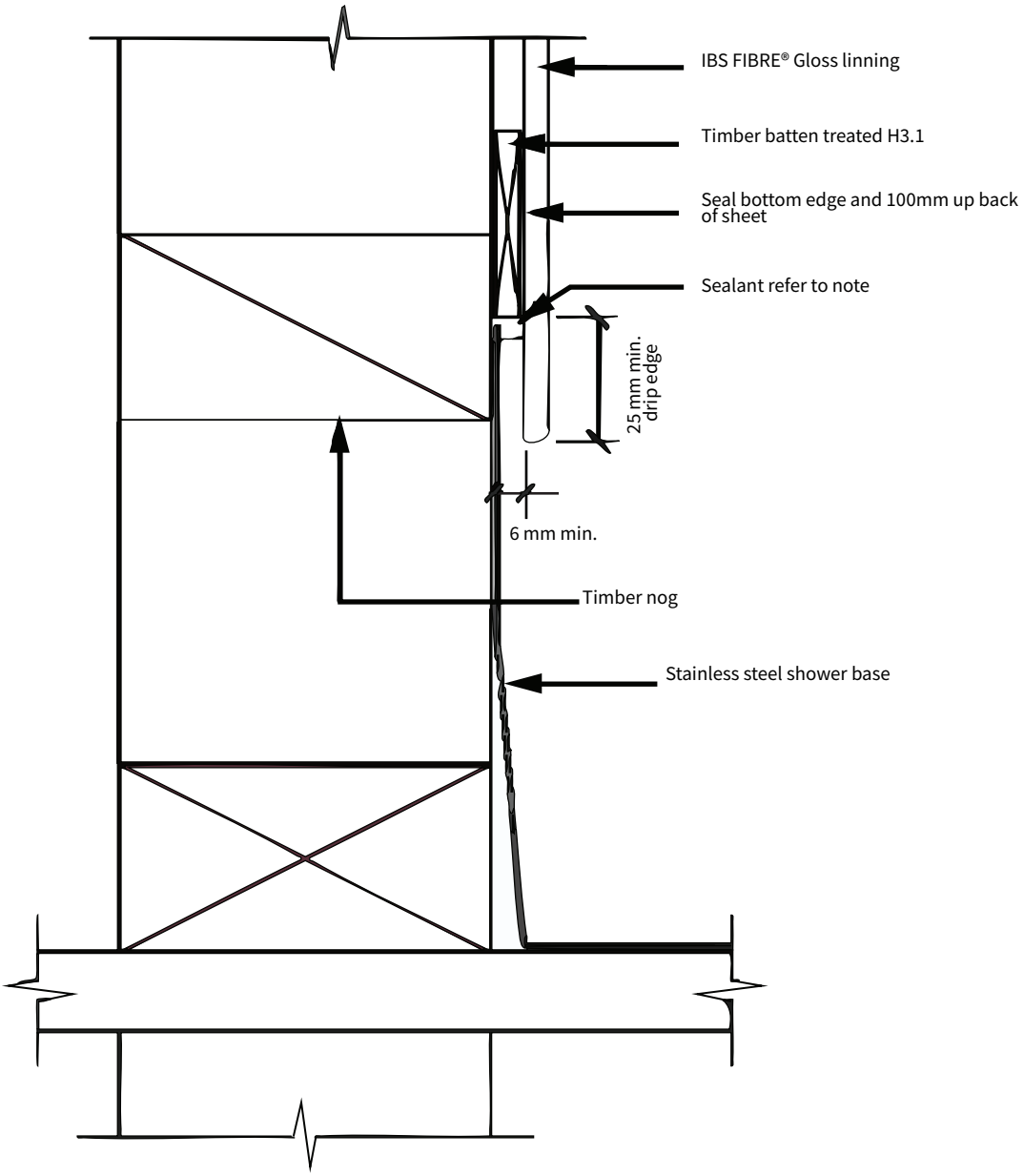
For timber framing in these environments, it is recommended to use a higher level of timber treatment. IBS FIBRE® Gloss Lining requires more frequent cleaning when used in a chlorine environment.

5.18 Stainless Steel Shower Tray

For a stainless-steel shower installation it is essential that a drip edge is formed at the bottom of the sheet (refer Figure 41).

Note: Paints are not suitable for wet area applications (splash zones) and should not be relied upon for waterproofing.

Stainless steel shower base



Note:
It is important to use sealant here to prevent possible damage to the framing.

Figure 41

5.19 Splashback for IBS FIBRE® Gloss

IBS FIBRE® Gloss Lining can be used as a splashback.

A minimum clearance of 200mm must be maintained from the closest outer ring of a gas hob.

For electric elements (Halogen, induction), a minimum clearance of 100mm must be maintained from the closest outer ring of the element.

Splashback clearance

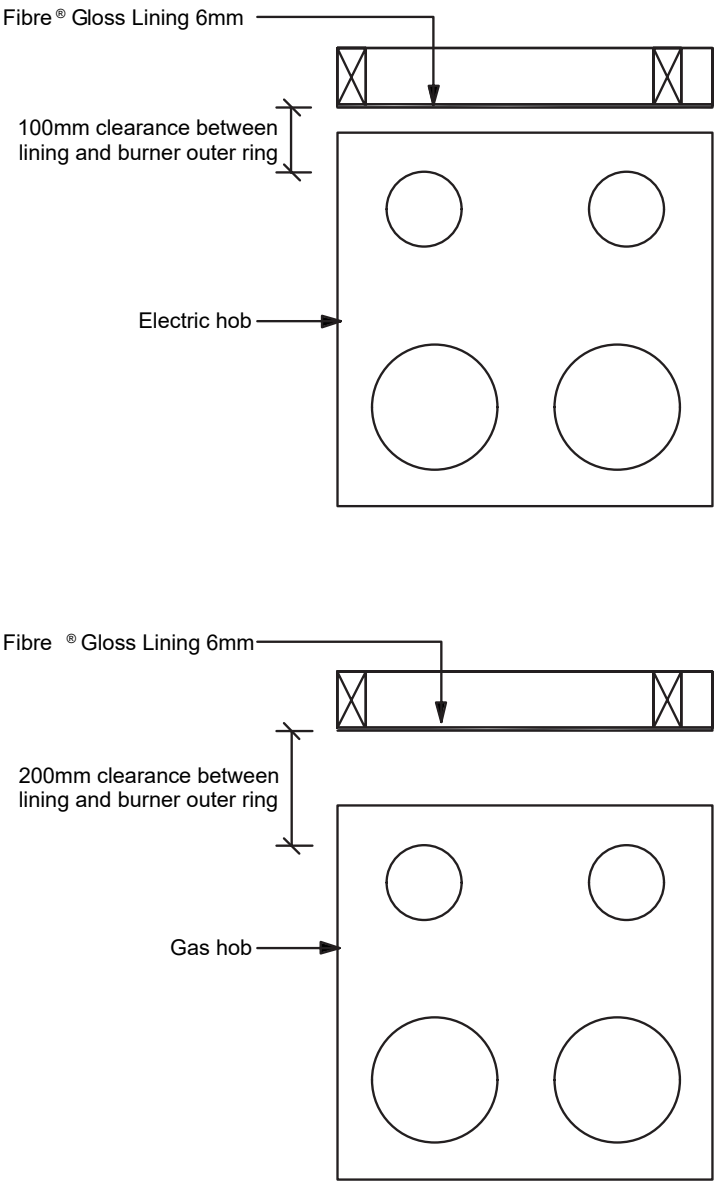


Figure 42

6. Finishing

6.1 Preparation

- Clean surface with hot soapy water only avoid commercial cleaners.
- Inspect all joints, sealants, and fixings for completeness and compliance.
- Document installation with photos and checklist sign-off for warranty purposes.

6.2 Final Cleanup

Ensure a thorough and detailed finish by carefully wiping down all surfaces with warm, soapy water, taking extra care to remove any remaining construction marks, dirt, or residual materials, leaving the area clean and polished for a professional, immaculate appearance.

6.3 Sealants

All sealants must comply with the relevant New Zealand Building Code (NZBC) requirements and possess a current BRANZ Appraisal. They must be applied and used in accordance with the manufacturer's instructions. If sealants are to be coated, they must be compatible with the specified paint system.

7. Care & Maintenance

7.1 Care & Maintenance

Under normal conditions, IBS FIBRE® Gloss cement boards will not need maintenance, other then regular cleaning.

If water damage does occur to an area where IBS FIBRE® Gloss cement boards have been used, then they may need to be replaced. Do not use cream cleaners or harsh scrubbing methods. Use a soft cloth to clean. Commercial-grade chemicals should not be used.

Maintain the finish in accordance with the manufacturer's requirements.

This will depend on the finish chosen, but will typically include:

- Regularly washing or wiping clean protective surfaces.
- Ensuring the paint system is maintained.

8. Warranty

8.1 Warranty

Independent Building Supplies Limited (IBS) supplies sustainable building products, which when used and installed in accordance with all relevant instructions and specifications, will be fit for purpose.

As part of our commitment to performance, IBS provides a warranty in respect of IBS FIBRE® Gloss (Product) in accordance with the following terms and conditions.

These terms and conditions must be read in conjunction with all product specific relevant and applicable technical documentation, information and guidelines published or referenced by IBS from time to time (Specifications) in relation to the Product.

1. IBS warrants that:

1.1 At the time of delivery to the merchant or site (where applicable) the IBS supplied Product will:

(a) be free from freight related defects;

(b) be free from defects that may have arisen through defective factory workmanship or materials; and

(c) conform to the performance characteristics listed on the applicable pass™ (warranted condition).

1.2 Once installed properly and in accordance with all appropriate Specifications the Product will continue to meet the relevant provisions of the building code as described on the applicable pass™ (warranted performance).

2. Date warranty valid:

2.1 IBS warrants:

(a) the warranted performance for 15 years from proven date of purchase or dispatch from IBS whichever date is the earlier; and

(b) the warranted performance for the durability period as specified by the NZ Building Code.

The durability period begins from the date the product is first installed or two months after the date of delivery, whichever is the earlier.

2.2 All enquiries relating to this warranty must (in the first instance) be directed to the place of purchase, the supplier or the installer.

2.3 By submitting a claim under the warranty, you grant IBS and its agents, consultants and contractors full rights of access, at no cost and at any reasonable time, to the relevant building to inspect the Product and the installation method for the purpose of determining the validity of the claim.

3. In the event a breach of the warranty is proven, the following applies:

3.1 For any valid and accepted breach of a warranty, IBS will, in its sole discretion, either:

(a) repair, replace or rectify the defective Product; or

(b) refund the purchase price of the defective Product. Where applicable the value will be reduced pro-rata, based on the remaining life of the Product (as set by the relevant durability requirements of the NZ Building Code).

3.2 Any action taken by IBS in satisfaction of a warranty claim shall constitute full and final settlement of all claims and IBS's total liability related to a breach of the warranty is limited to the direct cost to IBS of performing either of the above options.

3.3 IBS reserves the right to supply other comparable materials or products should the warranted Product no longer be supplied by IBS.

4. This warranty is subject to the following:

4.1 Receipt of evidence of the date of purchase of the Product.

4.2 Evidence satisfactory to IBS of failure of the Product.

4.3 Receipt of a written claim from the claimant either within 30 days of when the defect or failure of the Product would have become reasonably apparent or, if the defect was reasonably apparent prior to installation, then the claim must be made prior to installation.

4.4 The claim must include full details of the alleged defect in the Product.

4.5 Evidence satisfactory to IBS that all design, storage, transport, installation and maintenance requirements for the Product have been met or carried out in accordance with the Specifications and in terms of best building practice and the building code.

4.6 The warranty does not cover failure or problems caused by defective use, failure relating to improper design of the project structure, structural failure, settlement, movement of materials to which the Product is attached or dependent on, acts of God including but not limited to earthquakes, cyclones, floods or other severe weather conditions, inadequate maintenance, growth of mould, mildew, fungi, bacteria or any organism on any Product , or acts or omissions of a third party over whom IBS has no control.

4.7 The warranty does not cover failure or loss arising from the failure to follow all relevant IBS advice and requirements or failure to adhere to the Specifications.

4.8 Normal wear and tear, including non- performance related changes, are excluded from this warranty.

4.9 All relevant information relating to the Specifications is uncontrolled in printed format and is available from IBS (refer to www.ibs.co.nz).

5. Limitations

5.1 IBS will not be liable for a warranty claim unless:

the use of the Product meets the installation, storage, transport, use and maintenance requirements and Specifications in respect of the Product and the customer is responsible to ensure these are received and understood; and (b) the claim procedure set out in these terms is correctly followed and the required information is provided.

5.2 IBS will in no circumstances be liable for:

(a) any damage or loss caused by a person other than IBS, or by any other factor outside IBS's reasonable control, including without limitation fire, moisture, lightning, liquid, strike or lockout, chemicals, insects or animal;

(b) any damage or loss caused or contributed to by incorrect or improper use or a failure to comply with all Specifications and all applicable building codes, regulations and legislation;

(c) neglect, abuse, misuse, growth of mould/ mildew/fungi/bacteria or other organism; or

(d) any direct or indirect loss, or consequential loss or damage, of any kind.

5.3 All warranties, conditions, liabilities and obligations implied by law or custom (other than the warranties in these terms) are excluded to the fullest extent permitted by law, and without limitation, where the Product is provided for the purposes of trade, the provisions of the Consumer Guarantees Act 1993 shall not apply.

5.4 Except as provided in these terms, IBS will not be liable (under legislation, contract, tort, or otherwise including in equity) in respect of any defects in the Product or for any other cost, expense or liability caused by or related to the use of the Product.

9. Technical Properties

IBS FIBRE® Gloss Lining is an internal pre-finished wall and ceiling lining made from IBS fibre cement, suitable for use in both wet and dry areas that require a sealed, impervious surface.

It features an easy-to-clean, antimicrobial-protected, high-gloss UV-cured finish, making it ideal for residential or commercial applications without the need for a backing substrate.

IBS FIBRE® Gloss Lining is resistant to fire, moisture damage, rotting, and cracking when installed and maintained according to the guidelines provided in this manual.

Material: Fibre cement (cement, sand, cellulose, coatings)
Density: >1300 kg/m^3
Strength: ≥10 MPa bending
Moisture: 8–13%, absorption 32%, movement <0.25%
Durability: Passed water, freeze–thaw & soak–dry tests
Fire: Class A1, non-combustible, indices 0–1

TABLE 4 | IBS FIBRE® Gloss General Properties

Parameter	Value	Standard
Apparent Density	>1300kg/m^3	AS/NZS 2908.2
Tolerance on Length, Width and Thickness	Length: ≤±2mm Width: ≤±2mm Thickness: ≤10%	AS/NZS 2908.2
Straightness of Edges	≤: 1mm/m	AS/NZS 2908.2
Squareness of Edges	≤: 1mm/m	AS/NZS 2908.2
Bending strength (Type A, category 3)	≥10MPa	AS/NZS 2908.2
Moisture content	8-13%	ASTM C1185
Water adsorption	32±2%	ASTM C1185
Moisture movement	<0.25%	AS/NZS 2908.2
Water permeability	No formation of drops of water on the underside of the specimen after 24h	AS/NZS 2908.2
Warm water	Passed(Li=0.95)	AS/NZS 2908.2
Freeze-thaw	Passed(50 cycles)	AS/NZS 2908.2
Heat rain	Passed(50 cycles)	EN12467:2012
Soak-dry	Passed(50 cycles)	EN12467:2012
Reaction to fire	Class A1	EN12467:2012
Combustion performance	Non-Combustible	AS 1530 Part 3:1999
Fire Hazard Properties Ignitability Index Spread of Flame Index Heat Evolved Index Smoke Development Index	0 0 0 0-1	AS 1530 Part 3:1999

Note: This product does not contain asbestos material, 100% Non-Asbestos.

10. Additional Resources

10.1 Compliance and Information

For compliance & information of IBS FIBRE® Gloss refer to:

- IBS Product Specification
- IBS FIBRE® Gloss Warranty
- www.ibs.co.nz
- 0800 367 759

10.2 Designing outside of scope

If you're designing or installing a product that deviates from these specifications or the guidelines in this design and install guide, please note that this will void any warranty claims unless specifically approved by IBS prior to any works starting.

11. Frequently Asked Questions

Q. What is IBS FIBRE® Gloss?

A. IBS FIBRE® Gloss is a premium fibre cement board with a high-gloss finish, designed for wet area wall linings in both residential and commercial settings .

Q. Where can it be used?

A. It's ideal for bathrooms, laundries, kitchens, wet rooms, splashbacks, and soffit linings.

Q. What sizes are available?

A. Two sizes: 2400x900x6mm and 2400x1200x6mm, both in white.

Q. Is it easy to install?

A. Yes. It's lightweight, easy to handle, and quick to install, making it suitable for professionals and DIYers alike

Q. Is IBS FIBRE® Gloss waterproof?

A. It is moisture-resistant and features an impervious high-gloss surface, making it suitable for wet areas.

Q. Can IBS FIBRE® Gloss be used in wet areas?

A. Yes, it is suitable for use in wet areas such as bathrooms and kitchens.

Q. Can it be used behind cooktops?

A. Yes, but with clearances: 200mm from gas hobs and 100mm from electric elements.

Q. Is it compliant with the NZ Building Code?

A. Yes. It is CodeMark certified and compliant with E3/AS1 for wet area linings.

Q. How do I clean it?

A. Use hot soapy water. Avoid commercial cleaning chemicals to preserve the gloss finish.

Q. Can it be used in chlorine environments like pools?

A. Yes, but consult adhesive manufacturers or use stainless steel screws with cup washers. More frequent cleaning is required

Q. What framing is required?

A. Timber framing must comply with NZS 3604 or SED to NZS 3603/AS-NZS 1170. Steel framing must follow NASH Part 2:2019.

Q. Can it be used externally?

A. No. IBS FIBRE® Gloss is for internal use only and must not be exposed to weather.

Q. What sealants should I use?

A. Use high-quality silicone sealant or uPVC mouldings at junctions with baths, showers, and floors.

Q. Is it safe to cut?

A. Yes, but always cut in a well-ventilated area using dust-reducing tools. Wear a P1 or higher respirator due to crystalline silica content.

Q. Can it be painted?

A. No. The high-gloss finish is not designed for painting and should be left as-is for best performance.

Q. What are the prohibited uses?

A. Do not use as a structural element, in exterior applications, or near direct heat sources without proper clearance.

Q. Can it be used over concrete or brick?

A. Yes, but battens must be installed first. Ensure the wall is dry and sealed.

Q. Is it suitable for commercial use?

A. IBS FIBRE® Gloss is a high-gloss wet wall lining, suitable for domestic, commercial and retail use.

12. Limitations

When you are specifying and installing IBS FIBRE® Gloss the Installation Guide must be followed.

IBS FIBRE® Gloss should not be installed on timber framing where the moisture content is greater than 18%.

When used as a wall lining ensure stud centres do not exceed 600mm.

The overleaf installation checks are considered critical to the successful installation of IBS FIBRE® Gloss. Using this sheet as a checklist during installation will aid in problem free product installation and long term product durability post construction.

- Not suitable for exterior applications or areas exposed to direct weathering.
- Must not be installed near heat sources without appropriate separation.
- Installation must follow the procedures outlined in the official IBS FIBRE® Gloss Design & Installation Guide to maintain warranty and compliance.

IMPORTANT NOTES:
All sections of this checklist should be completed in full.

Careful adherence to technical specification literature is critically important for completing IBS FIBRE® Gloss cement construction. The construction shall comply with requirements of building consent. Any variations made should be approved by the BCA prior to work being undertaken.

13. Installation checklist

Installation checklist for IBS FIBRE® Gloss board based on the information available:

	Items to be checked	✓ Tick ☐	Notes
	1. Pre-Installation Checks		
1	Confirm product is stored flat, dry, and protected from weather.	☐	
2	Verify framing complies with NZS 3604 (timber) or NASH Part 2:2019 (steel).	☐	
3	Ensure framing is plumb, square, and dry (moisture content ≤18%).	☐	
4	Check all battens are securely fixed and provide a flat surface.	☐	
5	Confirm wall substrates are sealed and dry (especially concrete/masonry).	☐	
6	Review layout plan and sheet orientation before cutting.	☐	
7	Use only approved tools and PPE (dust-reducing saw, P1+ respirator).	☐	
8	Warn others nearby before cutting to control dust exposure.	☐	
	2. Cutting & Handling		
9	Cut in a well-ventilated area using a dust reducing circular saw with vacuum extraction.	☐	
10	Avoid dry sweeping—use M-Class vacuum or damp cloth for cleanup.	☐	
11	Always wear a properly fitted P1 or higher respirator.	☐	
12	Do not use grinders or high-speed abrasive tools.	☐	
	3. Fixing Sheets		
13	Use only approved adhesives, Screw Fasteners or approved fasteners with cup washers.	☐	
14	Maintain minimum edge distances and fastener spacing as per guide.	☐	

	4. Sealants & Junctions		
15	Apply high-quality silicone sealant or uPVC moulding at all wet junctions (e.g. bath, shower, floor).	☐	
16	Ensure sealant is compatible with fibre cement and applied to clean, dry surfaces.	☐	
17	In chlorine-rich environments, confirm adhesive/sealant suitability or use mechanical.	☐	
	5. Clearances & Limitations		
18	Maintain 200mm clearance from gas hobs and 100mm from electric elements.	☐	
19	Do not install in exterior or weather-exposed areas.	☐	
20	Do not use IBS FIBRE® Gloss as a structural or bracing element.	☐	
	5. Finishing		
21	Clean surface with hot soapy water only, avoid commercial cleaners.	☐	
22	Inspect all joints, sealants, and fixings for completeness and compliance.	☐	
23	Document installation with photos and checklist sign-off for warranty purposes.	☐	

IBS FIBRE® Gloss

Design & Installation Guide

SUSTAINABLE BUILDING PRODUCTS

September 2025

Scan the QR code to view all IBS FIBRE® Gloss documents.

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