

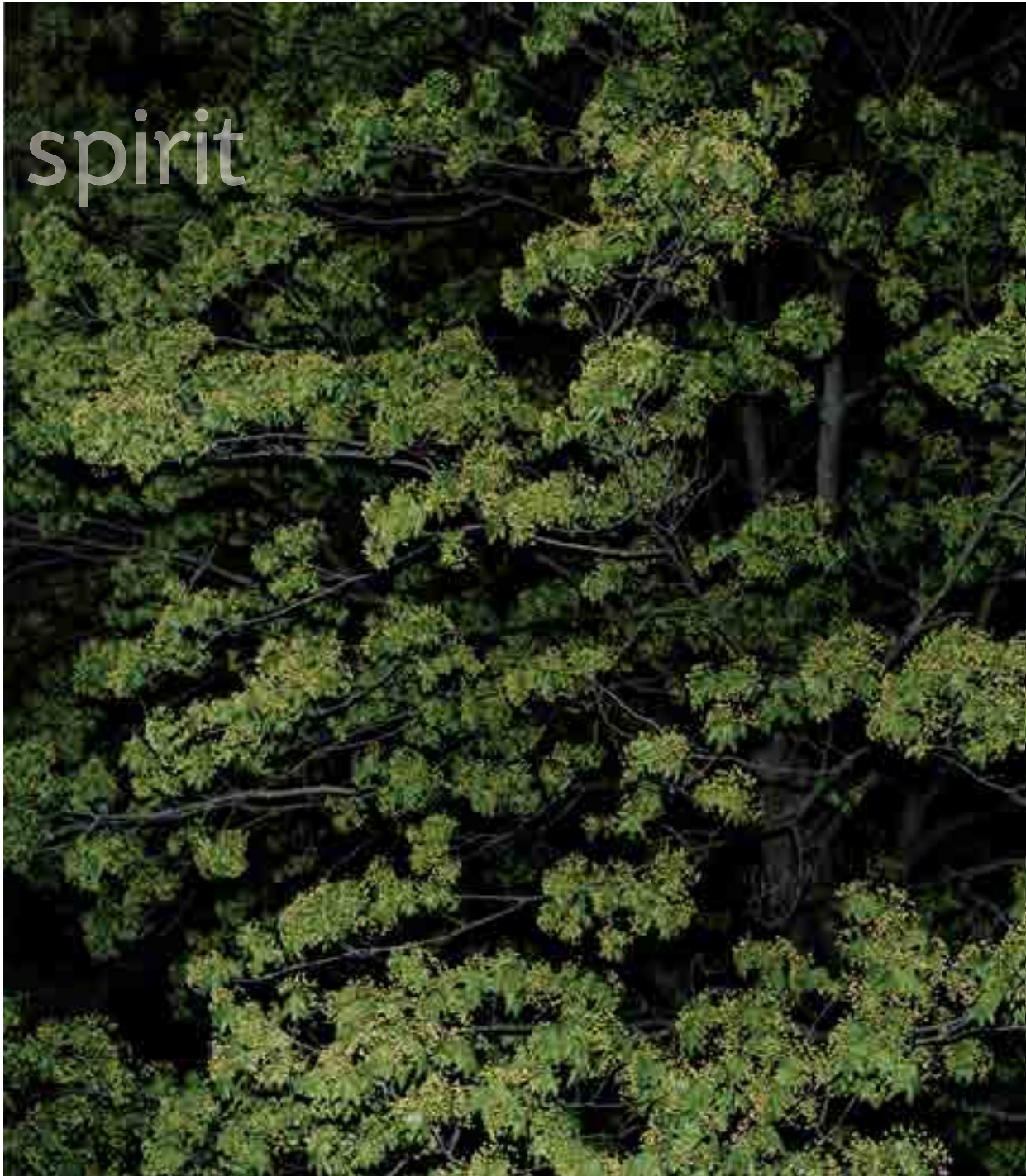
VERWERKING



SHERA: BUITENGEWONE GEVELPLANKEN

Kies voor een vezelcementplank die adembenemend mooi én gemakkelijk te hanteren en installeren is. Shera is beschikbaar in verschillende afmetingen en texturen. Bovendien zijn de planken extreem duurzaam, flexibel, water- vuur- en insectproof en simpel te onderhouden.

green spirit



An environmentally friendly building materials for wood substitution

SHERA wood siding is a unique composite of natural fibres bonded tightly in a high grade silicate structure, specially designed for exterior claddings in calm to tropical climates. SHERA wood siding is another achievement resulted from our careful interplay between scientific development and our craftsmanship. As the No. 1 wood substitution product in Thailand, new varieties of wood-grained patterns, sizes, and extra trim profiles are progressively rolled out to provide comprehensive applications of wood-like claddings.



green PRODUCT

- Non asbestos product
- Using local and recycled raw materials such as recycled paper, water etc.
- Farmed trees
- Water based coating (oil free pigment)
- Complete wood substitution products --- forest preservation
- Eco-friendly material

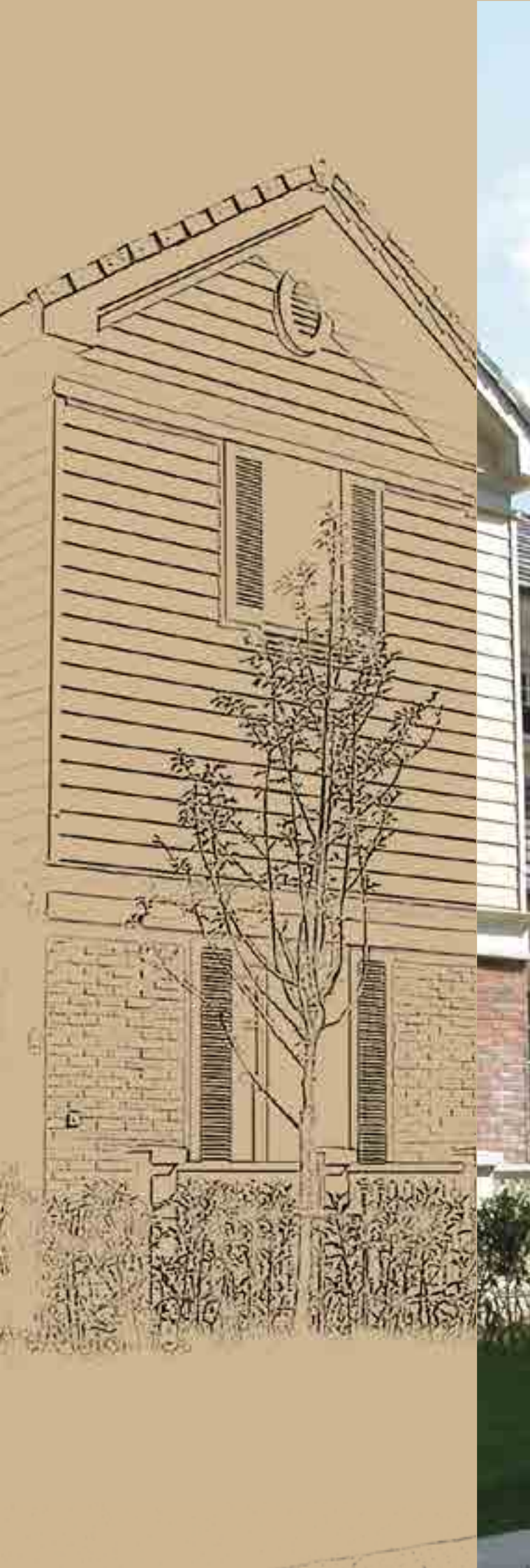
green TECHNOLOGY

- Reduce pollution in production process such as noise pollution, waste sediment, air contamination
- Re-use cast off materials generated through production process
- Reduce and re-use production energy consumption

green LIVING

- Reduce waste from construction site
- Promote clean and speedy construction
- Energy saving building concept

"Innovative Building Solution for Living in Balance"



Index

Product Outstanding FEATURES

Product Specification

SHERA Plank

SHERA Splendid Plank

SHERA Tool & Accessories

Framing, Fixing and Installation

Framing

Wind Loading

Weather Resistance

Handling and Cutting

Hole Forming

Fixing Guide for Exterior Wall: Exposed Fixing

Fixing Guide for Interior Wall: Concealed Fixing

Installation Preparation

Accessories for fixing SHERA on brick and masonry wall

Fixing SHERA Siding to Stud

Fixing SHERA Siding to Masonry Wall

Corner Details

Mitre Cutting Corner

External Corner using

SHERA Cement Corner Piece

Internal Corner using

SHERA Cement Corner Piece

External Corner using

SHERA Steel Corner Piece

Jointing Details

Screw Head Touching Up

Painting

Maintenance

Construction Details

Storage and Handling

Technical Data

07

08

08

09

10

12

12

13

14

15

16

17

19

21

21

22

23

26

27

28

29

30

31

34

35

36

40

44

45





product outstanding FEATURE



Weather
Resistance

SHERA products are manufactured to withstand cyclic weather changes. These products have been tested for durability according to EN 12467 : 2000 and ASTM C 1185 standards & confirm stability in testing cycles of freezing - thawing, heating - raining & soaking - drying. They also pass the test for warm water resistance.



Non-Asbestos

SHERA is environmental friendly product, made from eco-friendly non-forestry plantations and recycled fiber and does not contain asbestos which is harmful for human life.



Immune to
Water Damage

SHERA's cement based material renders SHERA with an excellent resistance against water damage. SHERA provides an exceptional product for both interior and exterior applications.



Sound
Insulation

SHERA board has been tested for sound insulation properties according to ASTM E90-99 standard. Optimum STC value obtained by SHERA ensures the satisfactory level of sound prevention in SHERA Board clad wall & ceiling systems.



Termite
Resistance

SHERA products are unaffected by termites and insects.



Low
Shrinkage

SHERA's Autoclave Technology has enhanced product's dimensional stability. This property makes SHERA products suitable for a wide range of applications including exteriors , underlayment , etc.



High
Workability

SHERA products are easy to handle, easy to work with and easy to install. SHERA requires no special skills or tools other than those used in normal working practice.



Fire
Resistance

SHERA products provide excellent fire resistance properties in terms of non-ignition, non-smoke creation, and non-fire propagation. SHERA's fire resistance complies with BS 476 part 5, 6 and 7 standards.



Not Brittle

SHERA offers exceptional property of higher strength with flexibility in comparison with other cladding materials such as ceramic tiles, asbestos cement sheets etc. The flexibility within the standard limit can create contemporary curved structures. SHERA can be easily drilled and nailed by simple tools eliminating time consumption & pre-drill operation.

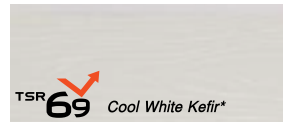
PRODUCT SPECIFICATION

SHERA PLANK

Cassia TEXTURE



Teak TEXTURE



* Total Solar Reflection Coating property

Teak TEXTURE



SHERA
plank

Square-Cut **EDGE**

Cassia Texture

Size (mm)

8 x 150 x 3000
8 x 150 x 4000
8 x 200 x 3000
8 x 200 x 4000

Effective Width (mm)

125 (For 150 mm width)
175 (For 200 mm width)



SHERA
plank

Square-Cut **EDGE**

Teak Texture

Size (mm)

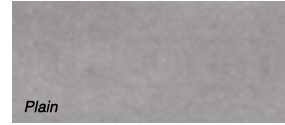
8 x 150 x 3000
8 x 150 x 4000
8 x 200 x 3000
8 x 200 x 4000

Effective Width (mm)

125 (For 150 mm width)
175 (For 200 mm width)

SHERA SPLENDID PLANK

Smooth TEXTURE



Cassia TEXTURE



SHERA
splendid plank

Splendid Croton

Smooth Texture
Cassia Texture

Size (mm)

10 x 150 x 3000

Effective Width (mm)

130

SHERA
splendid plank

Splendid Yellow Flame

Smooth Texture
Cassia Texture

Size (mm)

10 x 150 x 3000

Effective Width (mm)

130

SHERA
splendid plank

Splendid Jacaranda

Cassia Texture

Size (mm)

10 x 150 x 3000

Effective Width (mm)

131

SHERA
splendid plank

Splendid Orchid Tree

Smooth Texture
Cassia Texture

Size (mm)

10 x 150 x 3000

Effective Width (mm)

125

SHERA tools & accessories



SHERA corner piece

Fibre-cement corner piece for covering the ends of internal and external cladding

Surface : Smooth

Dimension : 8x75x3050 mm



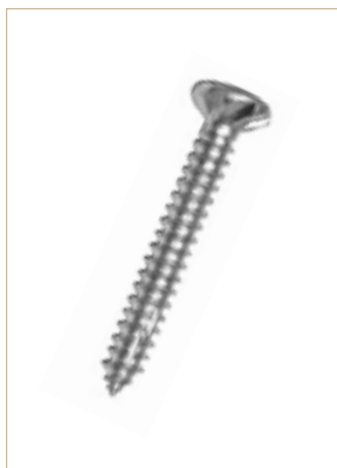
SHERA steel corner piece

Steel corner piece for covering external cladding ends

Surface : Smooth

Inner : 1x75x3000 mm

Outer : 0.8x75x3000 mm



SCREW FIX-T

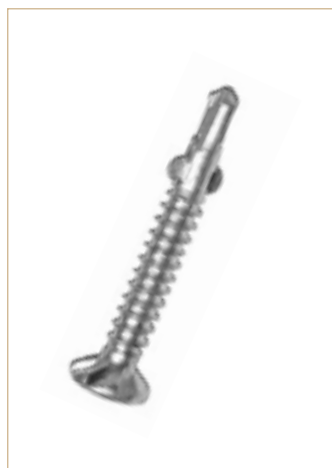
For fixing SHERA Plank and SHERA Splendid Plank to wood frame

SCREW FIX-T 1 1/4"

Length : 32 mm

Package : 500 Pcs/Box

Coating : ASTM B117-Class 3



SCREW FIX-W

For fixing SHERA Plank or Splendid Plank to steel frame with thickness between 1.0 — 3.2 mm

SCREW FIX-W32G8

Length : 32 mm

Package : 500 Pcs/Box

Coating : ASTM B117-Class 3



SHERA acrylic based paint

100 % pure emulsion with excellent resistance to fungi and caustic corrosion

Coverage : 35-40 sq.m/US gallon (25-30 micron)

Package : 0.946 Liter



SHERA barrel gun

15" Aluminum Barrel Gun for applying 310 mL and 600 mL SHERA Sealant PU25

SHERA sealant PU25

SHERA Polyurethane Sealant used for jointing SHERA Plank or SHERA Splendid Plank

Size : 310 / 600 ml



Electric drill

Speed : 0-2,500 rpm

Power : 550 W

Recommended : DeWAL D21003, BOSCH 1005VSRK or equivalence



Fiber Cutter

Blade : Fibre-Cement Blade or Diamond Blade



FRAMING, FIXING and INSTALLATION



Framing

SHERA Plank and SHERA Splendid Plank can be fixed to timber, mild steel or galvanized steel frame. The framing used must be properly designed according to load bearing requirement and deflection limitation. They must also comply with both the requirements of this manual and with the relevant building regulations and standards in each country.

Timber Framing

SHERA Plank and SHERA Splendid Plank can be fixed to dry, seasoned timber. If planks are fixed to unseasoned or wet timber framing, excessive timber shrinkage can cause planks and frames to move out of place.

Galvanized Framing

Galvanized framing must be at least 0.55 mm (BMT) in thickness. For installation in coastal areas and other corrosive environments, galvanized steel with special type of coating is recommended. Refer to the framing and fixing manufacturer for appropriate products.

Fastener

Fastener must have appropriate level of durability required for the building environment. Screws or nails with at least ASTM B117 — Class 3 corrosion resistance coating should be used for external application. SHERA Fix-T1¼ is recommended to be used when fixing SHERA Siding to timber frame, whereas SHERA Fix-W32 is recommended when fixing to steel frame with thickness between 1.0 - 3.2 mm.

Wind Loading

Layouts presented within this manual are suitable for low-rise (up to 3 stories height) residential domestic and light commercial building. High-rise buildings, large commercial and industrial complexes will generally require a specialist design to be undertaken.

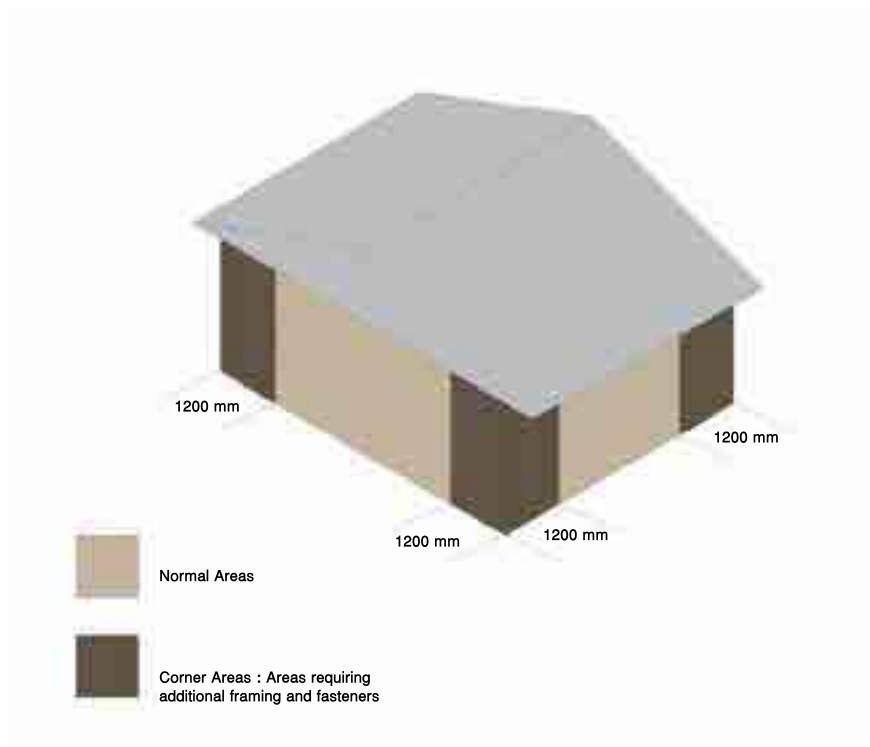
SHERA Plank and SHERA Splendid Plank are suitable for the specified wind classifications when fixed to frames with maximum stud spacing as detailed in Table 1

Table 1: Maximum Stud and Fastener Spacing (mm)

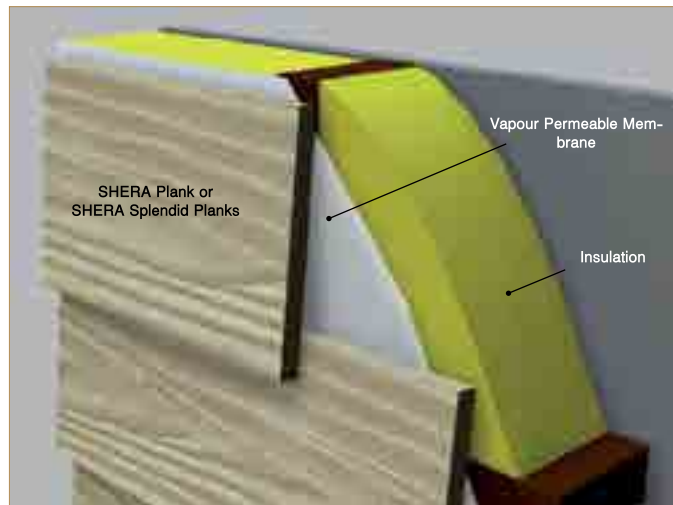
STANDARD: AS 4055-1992	Maximum Stud and Fastener Spacing (mm)		Wind Classification			
For non-cyclonic zone	N1	N2	N3	N4	N5	N6
For cyclonic zone	C1	C2	C3	C4		
Permissible Wind Speed (m/s)	28	33	41	50	60	70
Permissible Stress Pressure (Pa)	500	700	1000	1500	2200	3000
SHAERA Plank and SHAERA Splendid Plank	Normal Areas	600	600	450	450	450
	Corner Areas	600	600	450	450	300

Remarks:

1. This table is applicable only when installing plank using exposed fixing method. Installing plank using conceal fixing method should be used for internal application when there is no wind loading only. Please refer to page 17-20 for demonstration of both methods of fixing.
2. Corner Areas are areas within 1200mm of a building corner requiring additional framing and fasteners.



Weather Resistance



Water resistance

Under windy conditions, and even at low wind speeds, air pressure within buildings is generally lower than the outside; this tends to force water through gaps in the building envelope, for instance at penetrations, planking, flashing and joints. Thus a vapour permeable membrane or wall wrap between SHERA Plank or SHERA Splendid Plank and stud frames is recommended.

Condensation is a complex problem, and can occur under a variety of conditions, not just in cold weather. Thus, all flashings and water-proof courses and sealants must be installed in accordance with your local standards and building regulations. The use of a water-resistant, vapour permeable membrane can be effective in controlling condensation.

Figure 14/1 : Vapour Permeable membrane for water-resistance

Cold Climates

Condensation in the wall cavity may occur in cold climates, a vapour barrier is recommended between any internal linings and the framing.

Coastal Areas

SHERA PLANK and SHERA Splendid Plank are suitable for use in coastal areas, which are defined as being within 1km of a beach with breaking surf, or up to 200m from a non-surf beach shoreline. Consideration should also be given to local weather and topographical features which can increase the distance that salt spray can travel.

To resist corrosion in these areas, salt laden air must be excluded from the wall cavity, for instance by lapping and sealing a vapour barrier and flashing at corners, penetrations and joints. Salt laden air must also be excluded from entering the rest of the building envelope, such as the roof. All walls must be sufficiently exposed from above so that rain can perform natural wash down of the wall. Walls that are protected by soffits above should be washed down twice per year, to remove salt build-up.

Ensure fasteners have manufacturers' approval for use in a corrosive environment. The use of Stainless Steel fasteners are recommended to increase durability of nails and screws when fixed within 1 km of the coast or similar corrosive environments.

Prior to the application of the external coating, walls should be washed down with clean fresh water, to remove salt spray build-up. Sheets must then be allowed to dry before coating

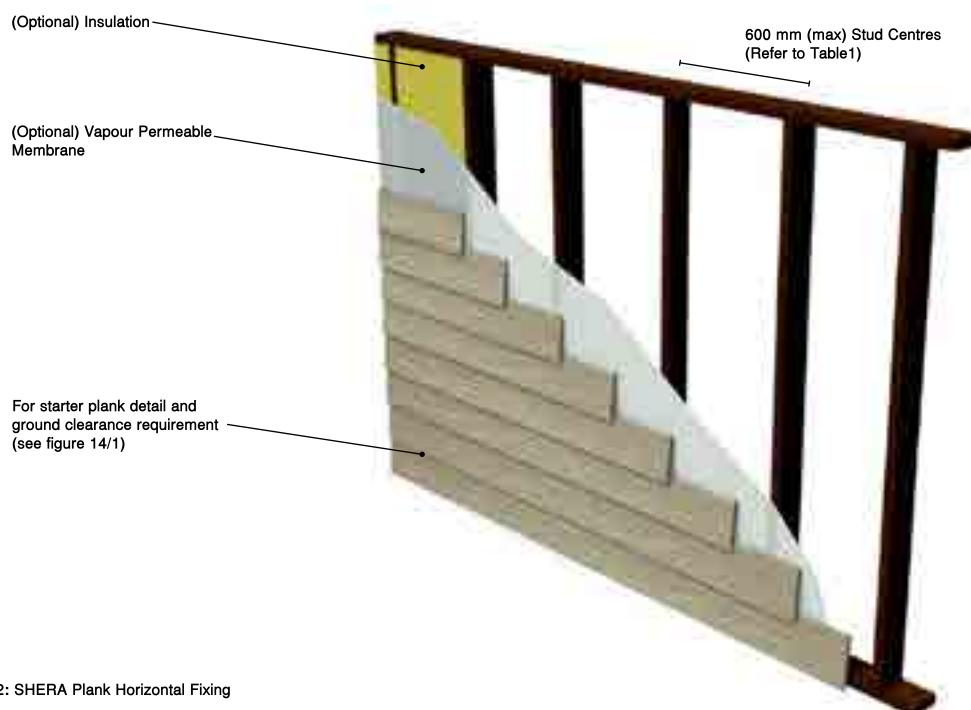


Figure 14/2: SHERA Plank Horizontal Fixing

HANDLING and CUTTING

SHERA planks can be easily cut and prepared on site by using appropriate tools and techniques. The following methods may be used for cutting SHERA Plank and SHERA Splendid Plank.



Hand Saw

- Preferably use old handsaw. A quick jabbing action is best. Work with the SHERA Plank face uppermost to prevent burrs forming on the face.



Hand Guillotine

- Use for length or width cuts.
- Mark a cutting line on the SHERA Plank and position the plank within the guillotine to cut.



Power Saw

- For best results, use a circular saw with an appropriate blade to provide a clean cut.
- When cutting SHERA Plank with a power saw, always work in a ventilated area, wear a protective filter mask and eye protection.



Small Angle Grinder

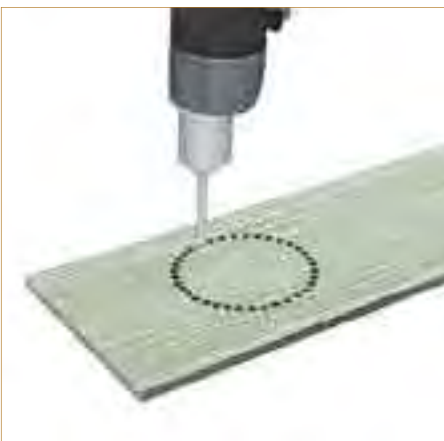
- Observe respiratory safety guidelines; always work in a well ventilated area, wear a protective filter mask and eye protection.

16

HOLE FORMING



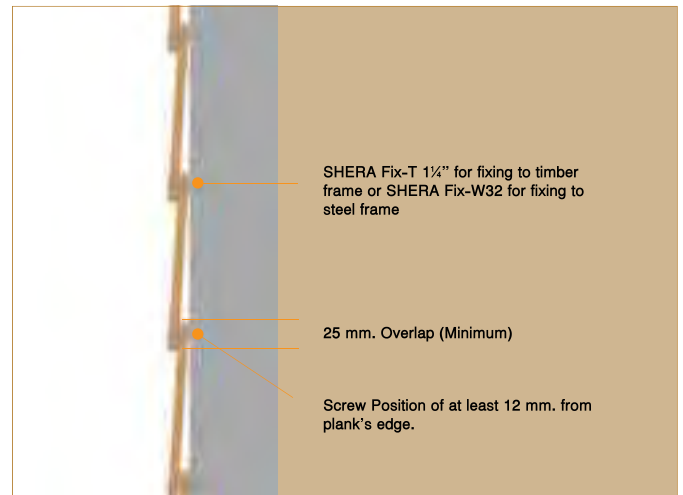
- Pre-drilling a series of small holes around the perimeter of the hole, then using a hammer to gently tap out the circular fragment from the sheet. The hole edges can then be smoothed using a file or rasp.
- For a large hole opening, drill a small hole at the center, then saw-cut from that hole towards the corners of the opening. Score and snap away the rest of desired opening area.



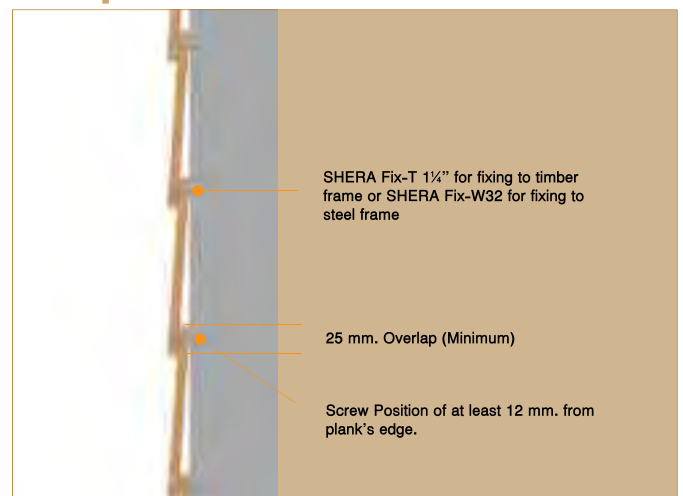
FIXING GUIDE for Exterior Wall Exposed Fixing

When installing SHERA plank and SHERA Splendid Plank in an external area especially in high wind load zone, installer should always follow the fixing guide shown in the illustrations below.

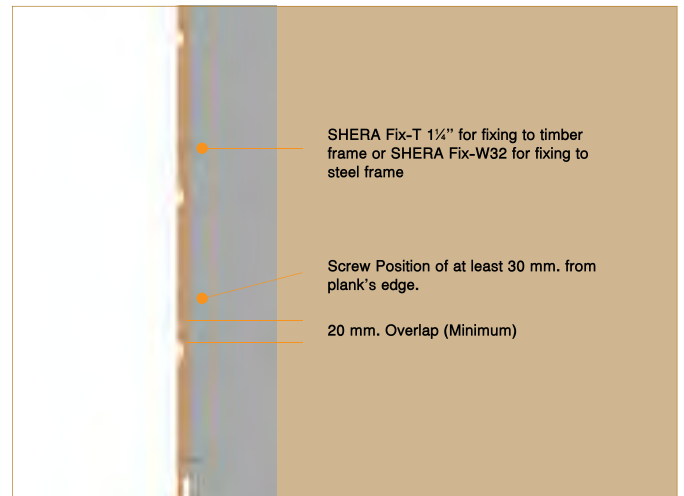
SHERA Plank



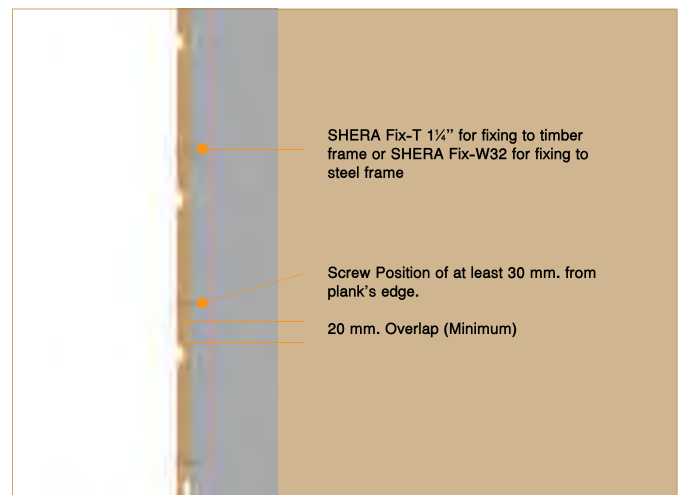
SHERA Splendid Orchid Tree



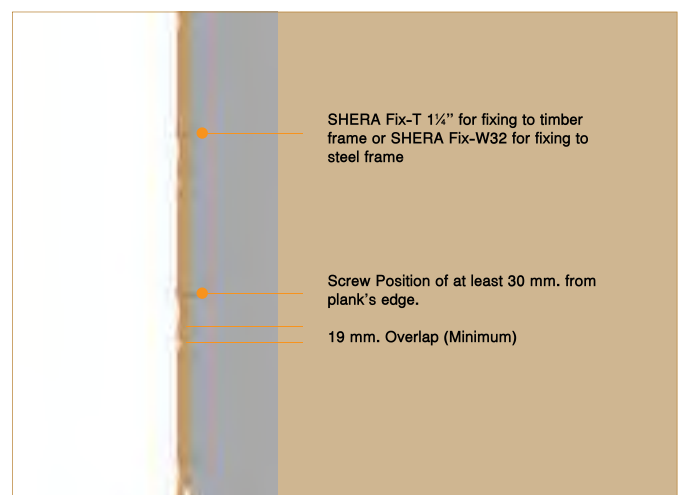
SHERA Splendid Croton



SHERA Splendid Yellow Flame



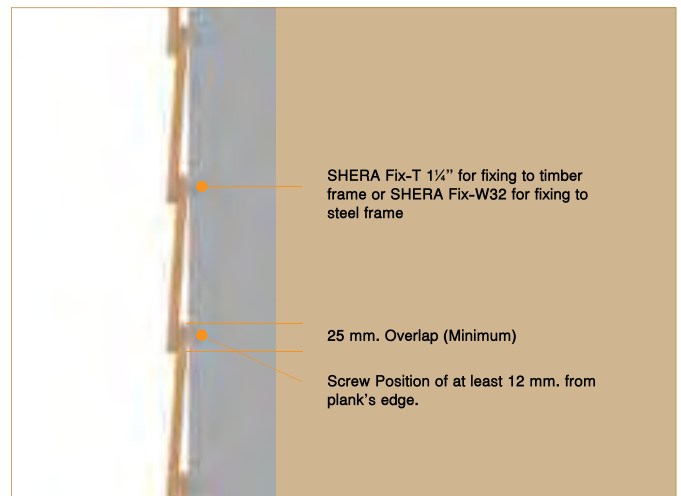
SHERA Splendid Jacaranda



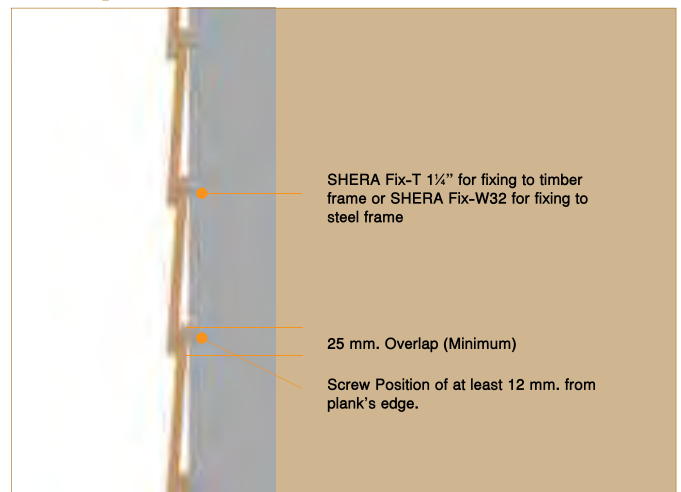
FIXING GUIDE for Interior Wall Concealed Fixing

When installing SHERA plank and SHERA Splendid Plank in an internal area especially, installer can fixed plank according to

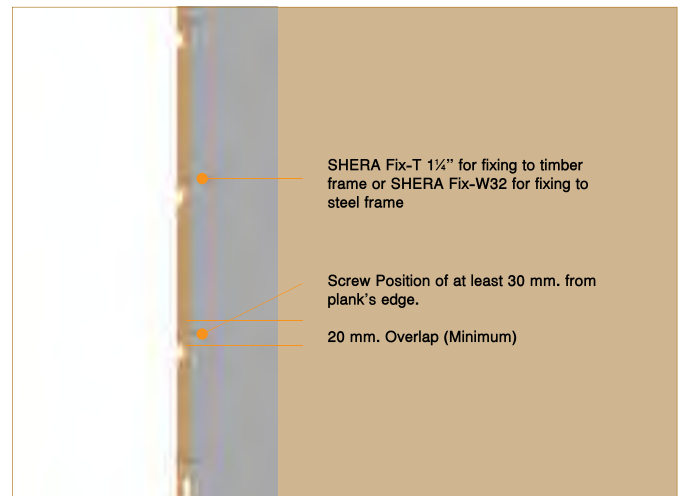
SHERA Plank



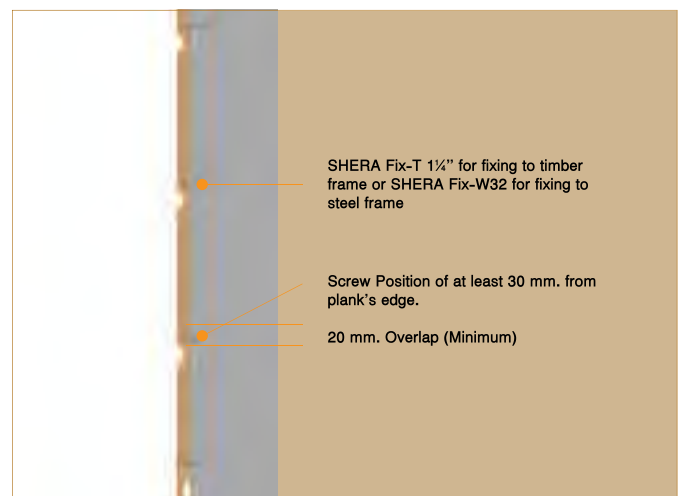
SHERA Splendid Orchid Tree



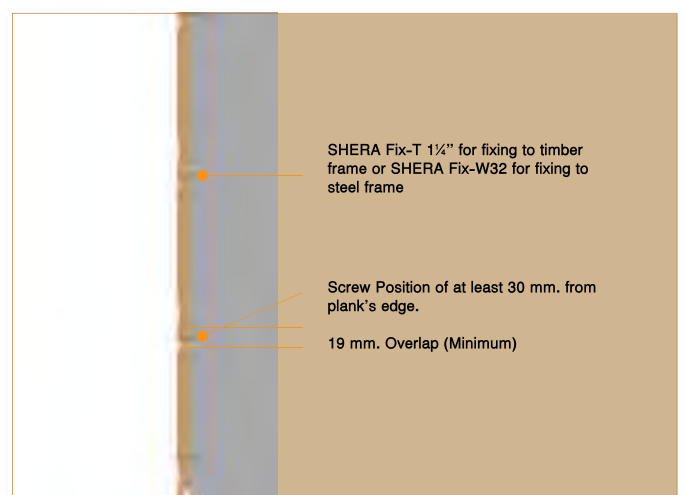
SHERA Splendid Croton



SHERA Splendid Yellow Flame



SHERA Splendid Jacaranda



INSTALLATION PREPARATION

Prior to fixing SHERA Planks, the following procedures should be carried out:

1. Calculate the quantity of SHERA Plank required for a wall allowing 3 — 5% extra in quantities for cutting loss of normal rectangular wall and 10% for cutting loss of triangular wall.
2. Fix all flashings to wall openings, vertical joints, heads, external and internal corners.
3. Create a horizontal datum line and fix temporary guide nails or screws along the line to support the first plank (figure 3, and installation guide; frame 1 below)
4. For SHERA Plank, Fix a 25mm wide starter strip to the bottom plate approximately 50mm above the datum line to ensure the first row of planks are positioned correctly (See installation guide below)
5. For SHERA Splendid Plank, Starter strip is not required.

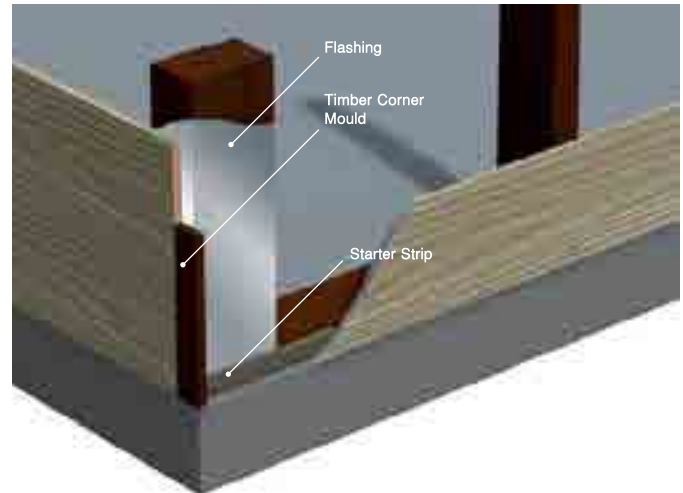


Figure 21/1 : Preparation for plank fixing

ACCESSORIES FOR FIXING ON BRICK AND MASONRY WALL



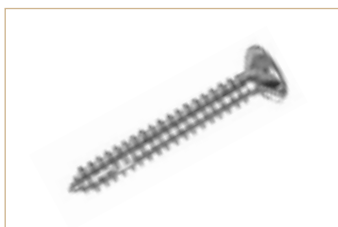
Studs

Hot dipped galvanised metal frame,
Thickness: 0.55mm (BMT)
Dimension: 0.55 x 45 x 14mm
Recommended: BPB GypLyner ML50 Channel



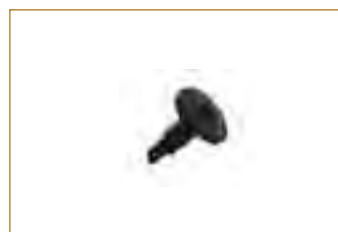
Fixing Bracket

Recommended BPB ML75



SCREW FIX-T

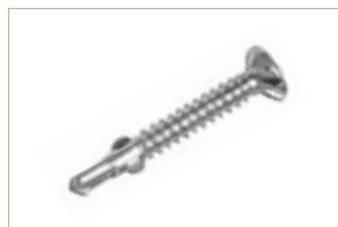
For fixing SHERA Plank and SHERA Splendid Plank to wood frame
SCREW FIX-T 1 1/4"
Length : 32 mm
Package : 500 Pcs/Box
Coating : ASTM B117-Class 3



Screw for fixing
frame to bracket.



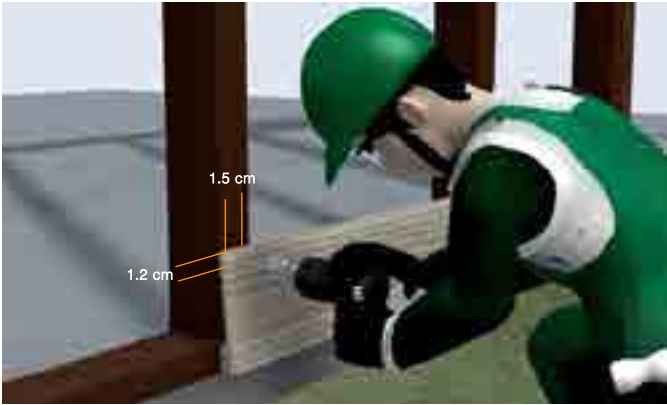
Plastic masonry / aerated
concrete Plug



SCREW FIX-W

For fixing SHERA Plank or Splendid Plank to steel frame with thickness between 1.0 — 3.2 mm
SCREW FIX-W32G8
Length : 32 mm
Package : 500 Pcs/Box
Coating : ASTM B117-Class 3

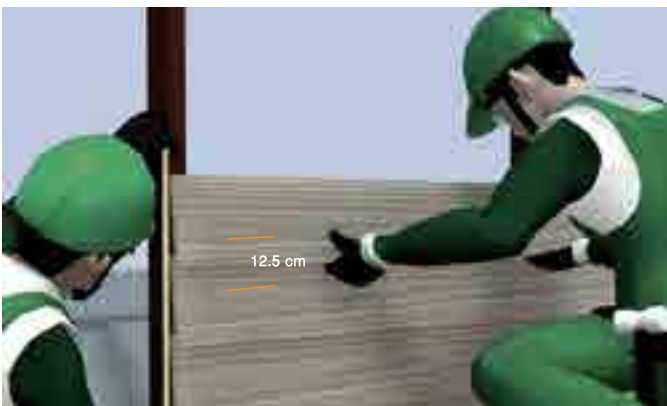
FIXING SHERA SIDING TO STUD



- Start fixing the first SHERA Plank or Splendid plank from an external corner. Rest the plank on the datum line nails or screws. Fasten the plank to each stud following the fastener position illustrated in earlier section.
- Ensure the plank is level and flush with the corner. Then when the first row of SHERA plank is fixed in place, remove the guide nails.



- Fixing fasteners must be a minimum of 20mm from SHERA Plank ends and 12 mm from edges.
- To avoid damage while fixing at the ends, the plank should be pre-drilled.

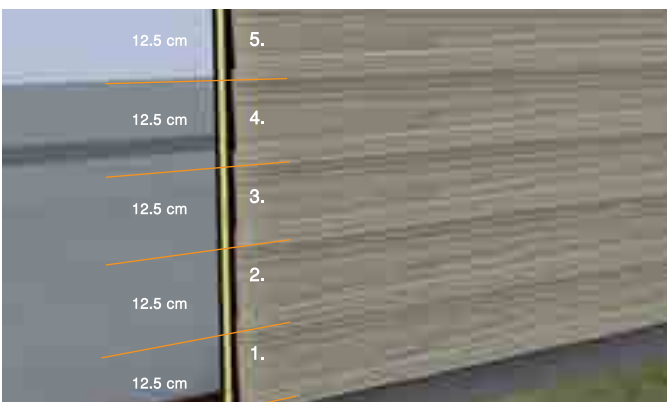


- Prior to fixing the second row of planks, ensure that the overlap area of SHERA Plank or SHERA Splendid Plank follow the recommended exposure width illustrated in earlier section.

Spacing = Plank Width — Minimum overlap

For example, SHERA Plank 150mm wide must have spacing between bottom plank edges at every 125mm.

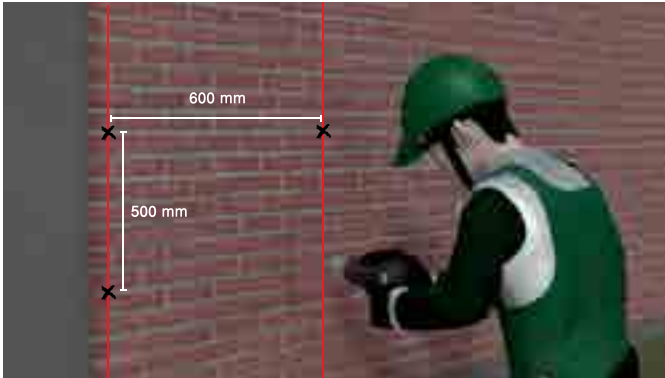
- Greater overlaps can be used to improve weather proofing, particularly when sarking (water proof membrane) is not used, or in order to match the wall height to the plank width.



- It is recommended that every fifth plank is checked for alignment.
- Continue to fasten SHERA Planks to the studs working up to the top of the wall.

FIXING SHERA SIDING TO MASONRY WALL

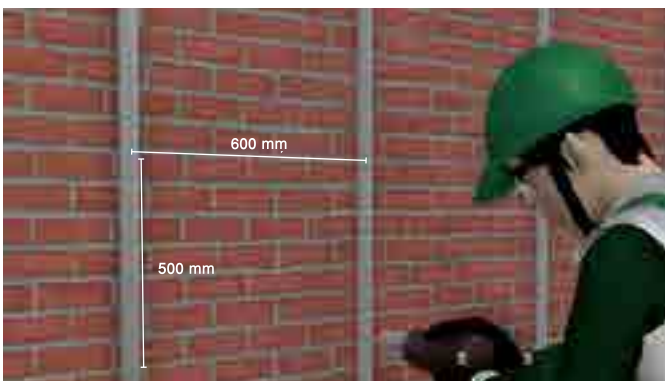
Fixing timber or steel studs directly to the wall for plank mounting



- Mark vertical lines on the wall at 600mm intervals to indicate fixing stud positions.
- Mark horizontal lines across the vertical lines, at a distance of 500mm apart.



- Drill holes at the horizontal and vertical line intersections, to accommodate the plastic anchor plugs.
- Insert plastic anchor plugs into the holes with gentle tapping if necessary.



- Cut stud to ceiling height,
- Align each stud to the vertical lines on the wall and fasten to the anchor plug using screw.



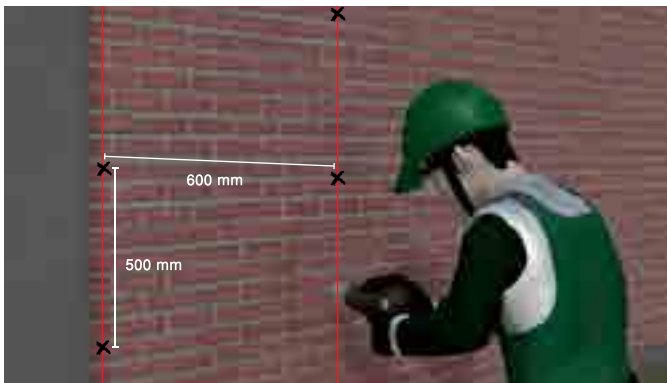
- Fix stud around every opening to support planks around window and door openings.

FIXING SHERA SIDING TO MASONRY WALL

Mounting lightweight channel section via fixing brackets:



- Mark perimeter lines on both floor and ceiling at 3-5 cm from the wall.



- Along the perimeter lines at 600mm intervals, mark vertical lines on the wall to indicate fixing stud positions.
- Mark horizontal lines on the wall separated by 500mm intervals to indicate fixing bracket positions at line intersections.



- Drill holes at each intersection point for plastic anchor plugs.
- insert plastic anchor plugs into each pre-drilled hole.



- Fix brackets onto the wall with SHERA FIX-W Screws and bend the bracket legs forward. BPB ML75 fixing brackets are recommended.



- After ensuring the stud is vertically aligned by checking with plumb-line, Insert a screw through the hole in the bracket nearest to the back of channel section and fix each bracket leg to the channel.



- Bend back protruding bracket legs to sit clear of the channel face.



- Repeat the process until the wall is covered with sections at 600 mm intervals, each bearing fixing brackets separated by 500 mm.



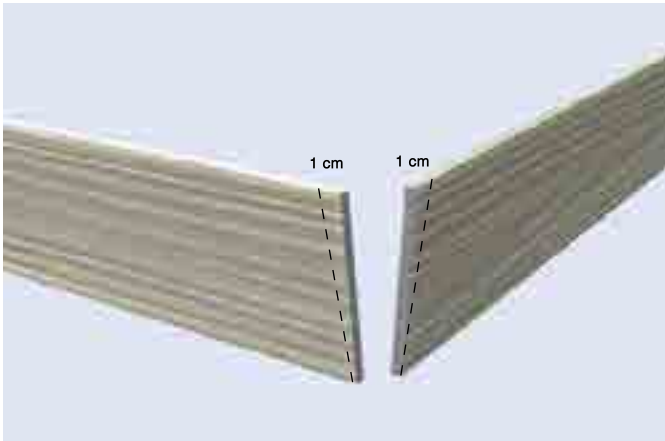
- Fix light weight channel, supported by fixing brackets, on every opening to support planks around window or door openings.

CORNER DETAILS



Internal and external corners can be finished by mitre joint or by using corner mould to corner plank ends.

Mitre Cutting corner



- Ends of planks must be cut square and smooth, diagonally 10mm away from one side of the plank end into the adjacent corner.



- Corner planks are neatly mitre-cut at the plank ends to meet at the corner.

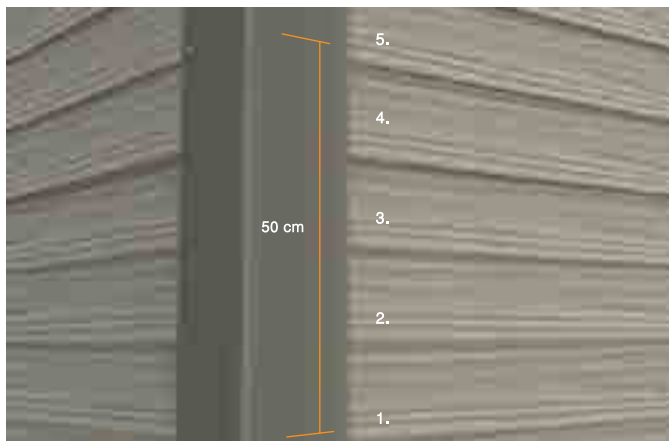


- Fasten SHERA Planks to studs, gradually working up to the top of the wall.
- Ensure planks are mounted with standard overlaps.

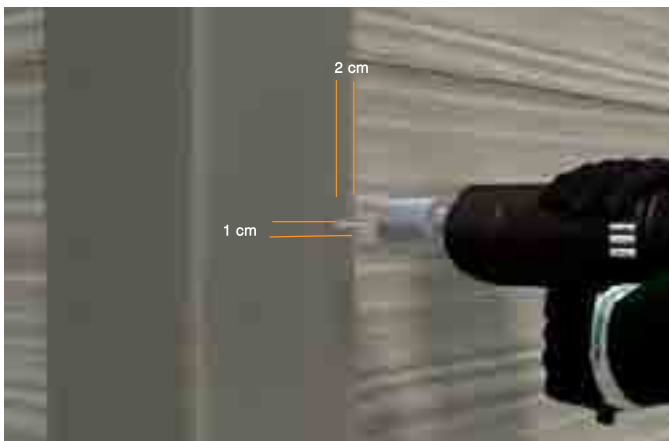


- Polyurethane or acrylic sealant may be used to fill external corner gaps or where additional weatherproofing is required. Ensure any excess is removed.

External Corner using SHERA Cement Corner Piece



- SHERA Corner moulding piece must be installed after fixing SHERA planks.
- Mark points vertically spaced at a maximum of 500mm intervals and 20mm from the edge of the corner moulding.
- As a guide, the marks should be at approximately 10mm above the bottom edge of every 5th plank.



- Begin pre-drilling at the mark points, through the corner moulding piece, the plank end, and into the corner stud.



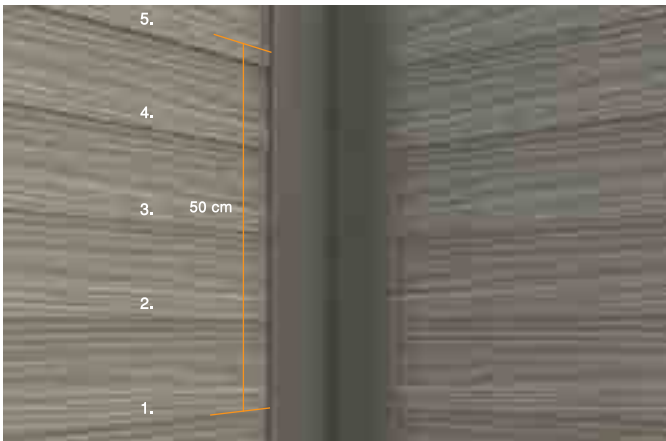
- After pre-drilling is complete, remove the corner moulding piece and fix plastic anchor plugs into the newly drilled holes.



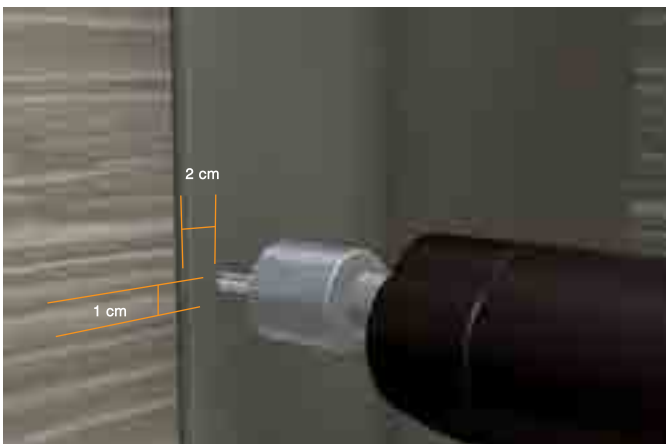
- Once the SHERA corner moulding piece is in place and holes are aligned, Fasten th corner moulding using screw.

Internal Corner using SHERA Cement Corner Piece

For fixing at an internal corner, follow the same marking and drilling procedure as for the external corner moulding piece.



- The SHERA corner moulding piece must be installed after fixing SHERA planks.
- Mark drilling points, with centers vertically spaced at a maximum of 500mm apart and 20mm from the edge of the corner moulding section.
- The drill marks should be spaced at approximately 10mm above the bottom edge of every 5th plank.



- Drill holes at the mark points through both the SHERA corner moulding piece and planks, into the corner stud.

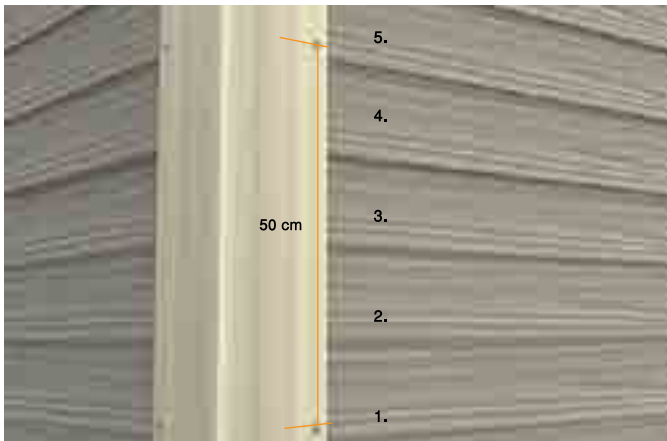


- After pre-drilling is complete, remove the corner moulding piece and fix plastic anchor plugs into the newly drill holes.



- Refit the SHERA corner moulding section, align the drilled holes with the plastic anchor plugs and secure in place using screw.

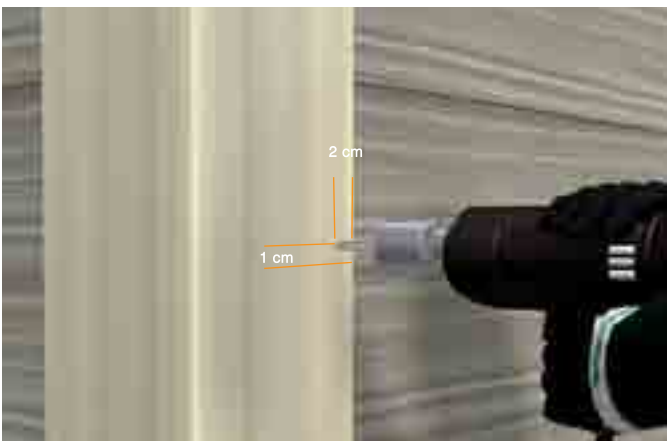
External Corner using SHERA Steel Corner Piece



- The SHERA Two-Piece Metal Corner Moulding must be installed after fixing SHERA planks.
- Mark drilling points, with centers vertically spaced at a maximum of 500mm apart and 20mm from the edge of the inner section of the corner moulding.
- The drill marks should be spaced at approximately 10mm above the bottom edge of every 5th plank.



- Drill at the mark points through both the corner moulding inner-section and the planks, into the corner stud. Remove the corner moulding section and insert plastic anchor plugs into the holes.



- Refit the moulding inner-section, align the drilled holes to plastic anchor plugs and secure the moulding using screw.



- Firmly push the corner moulding outer-section into place on the wall mounted inner-section.

JOINTING DETAILS

Several jointing methods can be used with SHERA Plank, depending on the type of finish required. For a more professional finish, use factory finished ends and stagger vertical joints up the wall face.

Jointing on-stud

When installing planks, joints at plank ends must be mounted on studs and where possible, staggered over the wall. This gives a more pleasing visual effect than having adjacent joints in-line. See Figure 31/1 for jointing location.

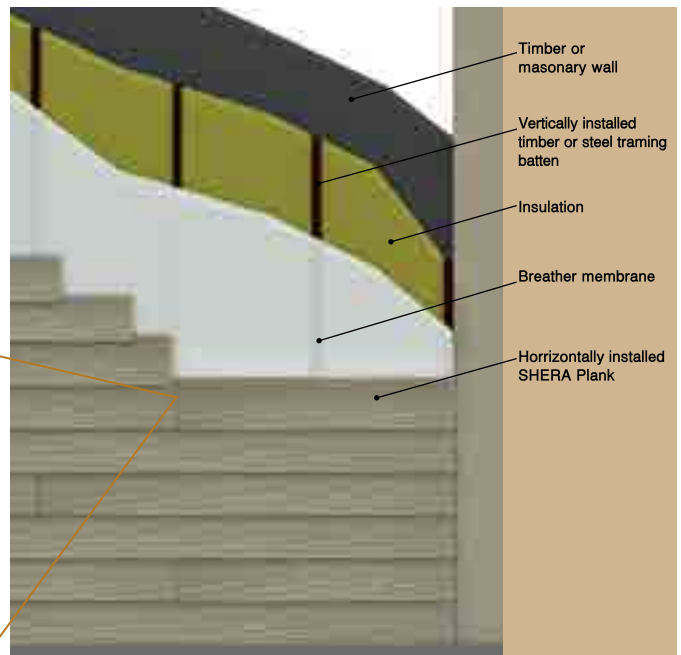


Fig 31/1 : Location of jointing

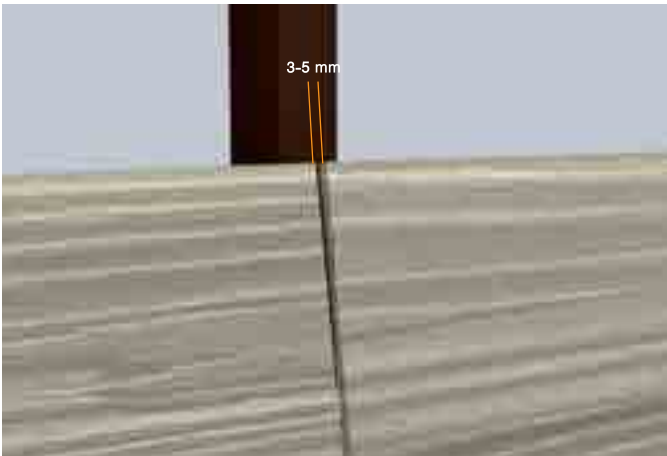


Butt Jointing

- SHERA Plank ends should be neatly mitre cut before joining together.
- Flashing should be nailed onto the stud behind each joint in order to avoid water leakage of water during rain and heavy wind.
- Flashing should be at least 10 mm wider than the studs.



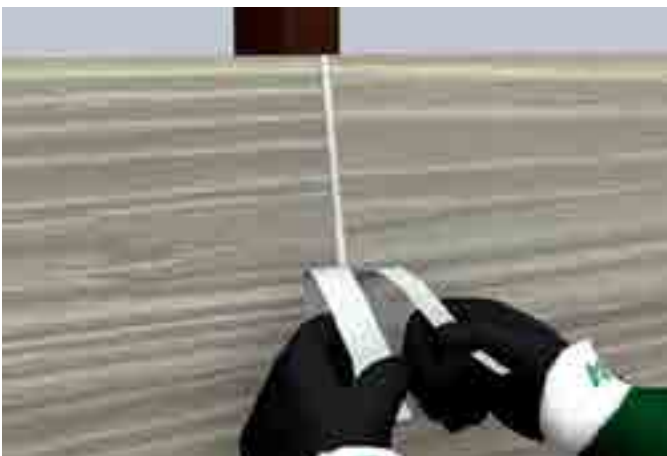
Sealant Jointing



- SHERA Plank ends should be cut square in preparation for sealant.
- Planks can be jointed with a 3-5 mm gap.



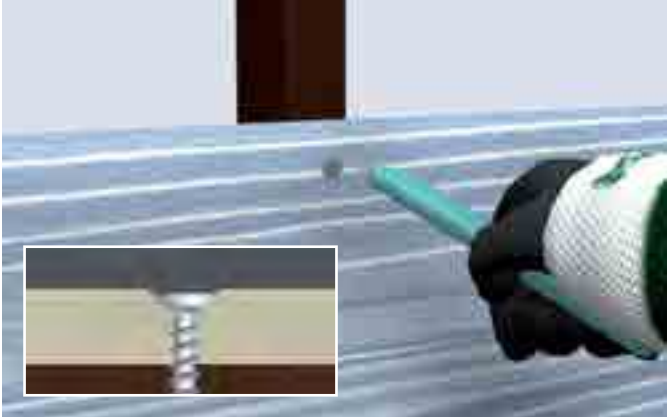
- Tape at the planks ends to avoid spoiling of plank edge by excess sealant. Fill the gap with SHERA Polyurethane 25 sealant starting at the bottom and working upwards.
- Acrylic filler can be used for interior applications. Polyurethane is recommended for exterior use.
- Using this option, flashing is not required.



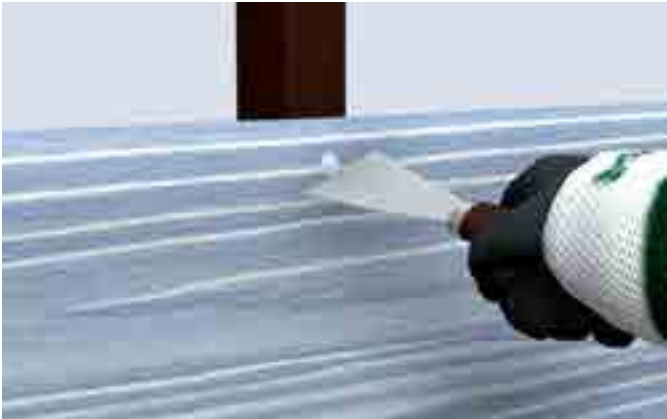
- After filling with SHERA Polyurethane 25 sealant, wait a few minutes before removing the protective tape.



SCREW HEAD TOUCHING UP



- Remove dust and dirt from the screw head recess.



- Fill holes and cracks with a suitable compound such as exterior grade putty or acrylic filler
- Sand lightly to an even finish. Allow to dry completely for 1-2 hours.



- For a great finish, filler marks and blemishes can be touched-up using SHERA water-based paint.



- For SHERA Plank in special colours, such as, Golden Teak Brown, an under coat of light yellow SHERA acrylic paint is required before applying the Golden Teak Brown paint to give the best colour finish.

PAINTING

SHERA Plank can be painted with SHERA water-based acrylic paint which is suitable for both interior and exterior use. Paint may be applied using a brush, roller or airless sprayer. Avoid painting in windy and rainy weather.

Surface Preparation

Plank surface preparation is important to give a good, long life finish. Paints applied to flaking and powdery cement surfaces would result in early break down of the paint film.

- Before painting, remove grease, dust, dirt and any loose or flaking paint with a scraper or wire-brush, and wash down the surface with a liquid detergent and warm water then rinse thoroughly with clean water. Allow to dry completely before proceeding further.
- Fill holes and damaged areas with a suitable compound such as exterior grade putty. Sand lightly to an even finish.
- Treat areas affected by fungi or algae, with one coat of anti-fungal solution and allow to dry.

Priming

Selection of appropriate primer is important because a primer will act as a key, to provide better adhesion between the fibre cement and the top coat of finishing paint. Cement primer is recommended for SHERA Plank.

Mono Tone Painting



- The surface to be painted should be cleaned and free from dust and powdery efflorescence.
- Apply one coat of cement primer and allow to completely dry for at least 4 hours.



- Once primer has dried, apply a coat of SHERA Water-based Acrylic Paint. Allow to dry for a further 4 hours before applying the second coat.
- for better adhesion and protection, a second coat of Paint is recommended.

MAINTENANCE

Repairing SHERA plank



- Gently lift the plank immediately above the damaged plank to find the exact location of the mounting screw. Remove the screw on above the damaged plank to free the damage section of plank from fixing.



- Damaged sections of SHERA plank can be removed by using a fibre-cement saw.
- Only cut in between studs.



- Where the top of the damages section is covered by the overlap, a wedge can be used to separate the two parts.



- Replace the damaged part with a new plank section, previously cut to size.
- secure the new section by fixing with screw to frame and seal joints using SHERA Polyurethane 25 sealant.

Replacing SHERA plank



- Gently lift the plank immediately above the damaged plank to find the exact location of the mounting screw. Remove the screw on above the damaged plank to free the damage section of plank from fixing.



- Remove the damaged plank.



- Fit the new plank into place.



- The plank is then secured by screwing through the overlapping plank.
- The newly fitted mounting screws will need touching up to an appropriate colour.

Painting Renovation for Siding

Surface Preparation

- Remove any loose or flaking paint with a scraper or wire brush. Sand the surface smooth and remove all dust. Sand glossily painted surfaces until all gloss is removed.
- Before painting, remove grease, dust and dirt by scrubbing or washing down the surface with liquid detergent and warm water and rinsing thoroughly with clean water.
- Areas affected by fungus or algae clean thoroughly with wire-brush and wash with water. Treat with a coat of anti-fungal solution. Allow to dry.
- Fill holes and cracks with a suitable stopping compound such as exterior grade putty. Sand lightly to an even finish.



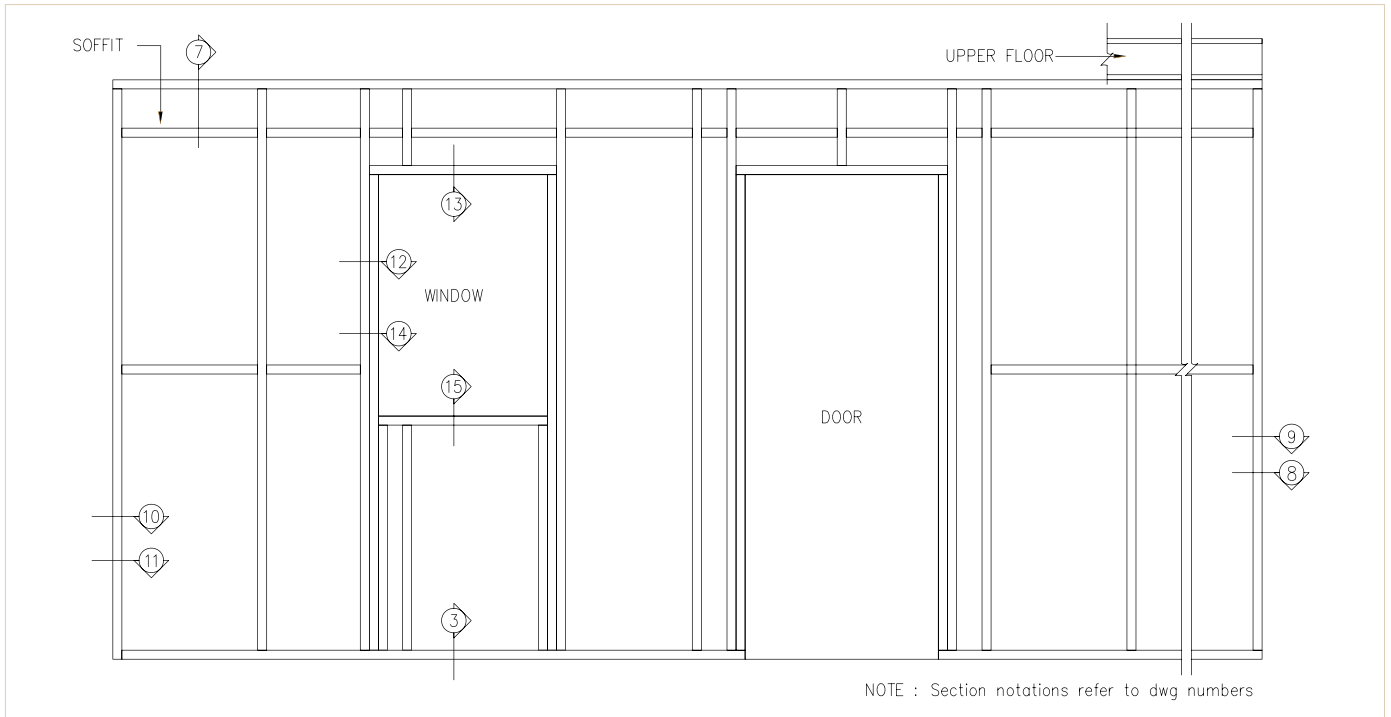
- Apply appropriate primer onto a previously painted surface to help promote good adhesion.
- Allow to dry completely.



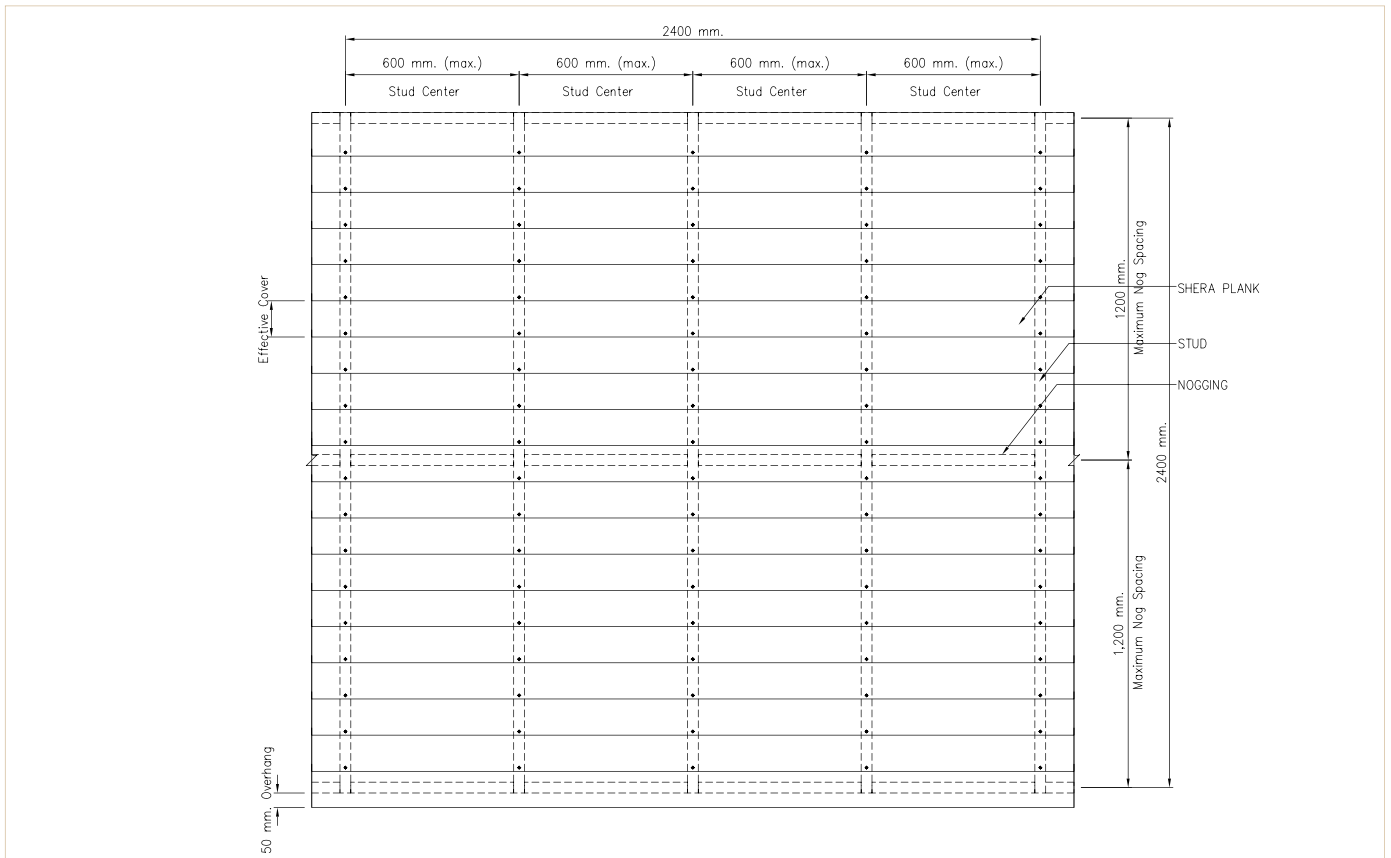
- Apply at least 2 coat of appropriate paint on top of primer. Please contact paint manufacturers for appropriate type of paint for painting on previously painted surface.



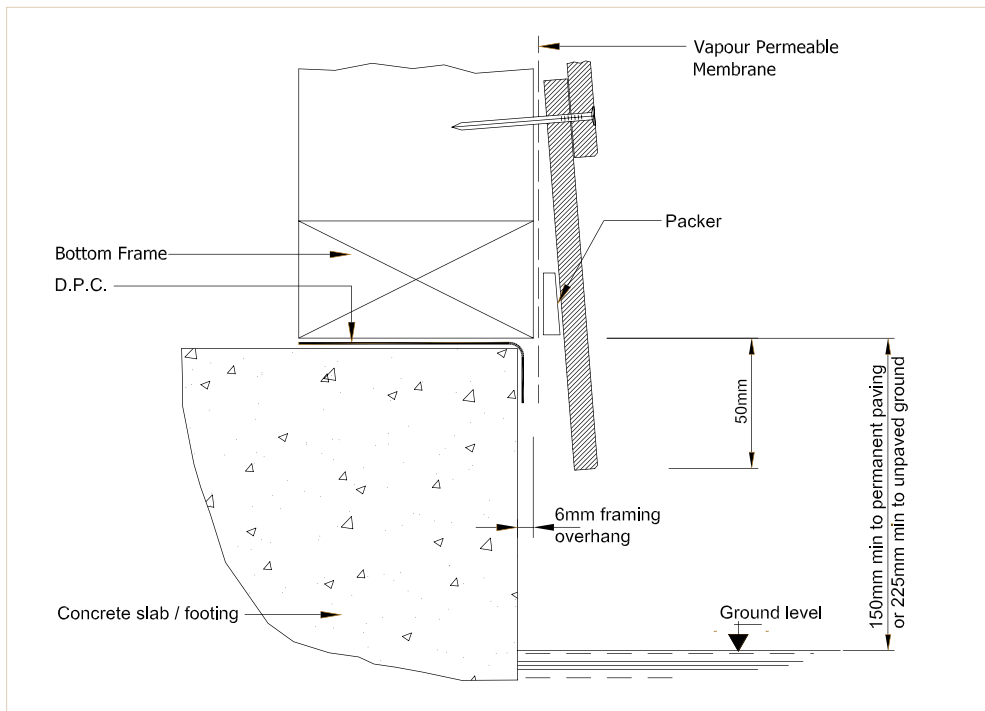
CONSTRUCTION DETAILS



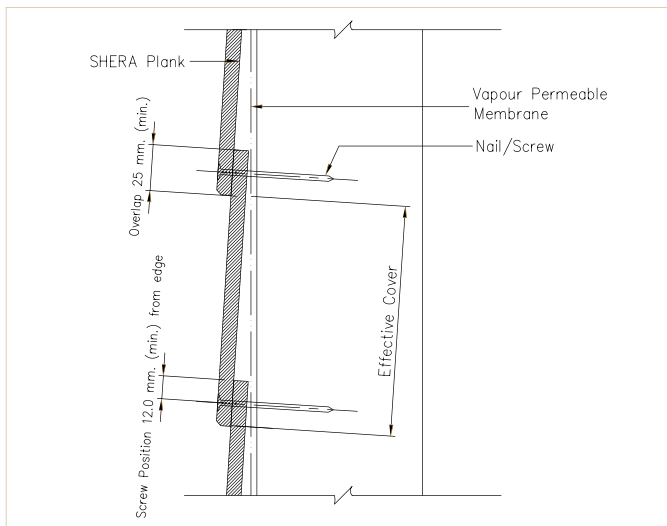
Drawing 1 : Construction Details - SHERA Plank Fixing



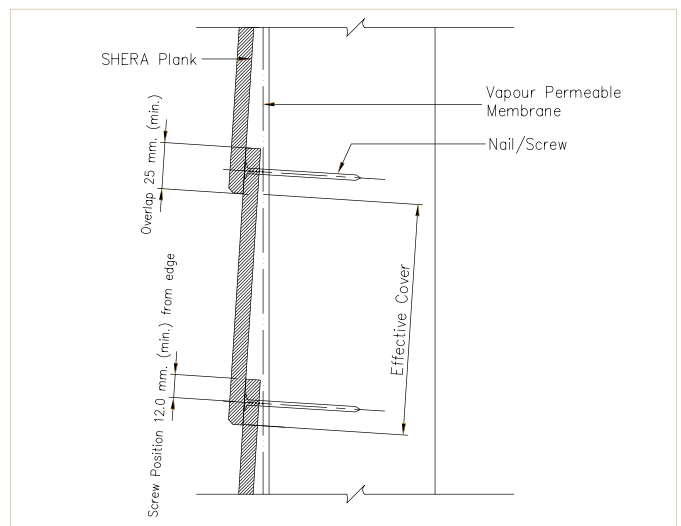
Drawing 2 : SHERA Plank Fixing Layout



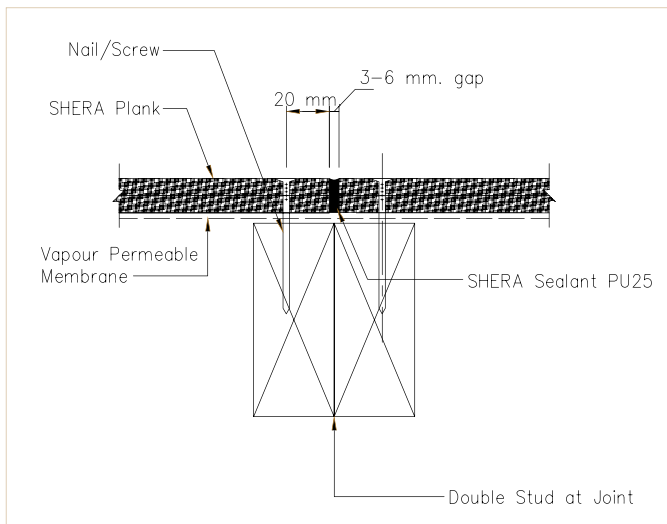
Drawing 3 : SHERA Plank's Wall-to-Floor Junction



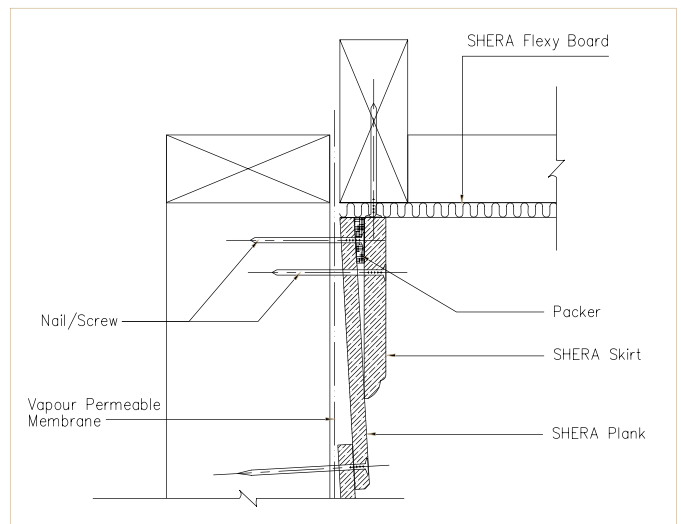
Drawing 4 : SHERA Plank Fixing — Exposed Fixing (For external Application)



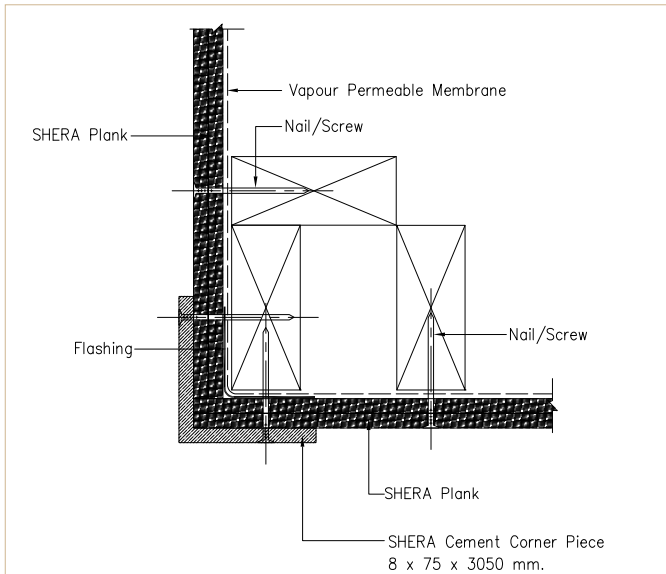
Drawing 5 : SHERA Plank Fixing — Concealed Fixing (Internal Application Only)



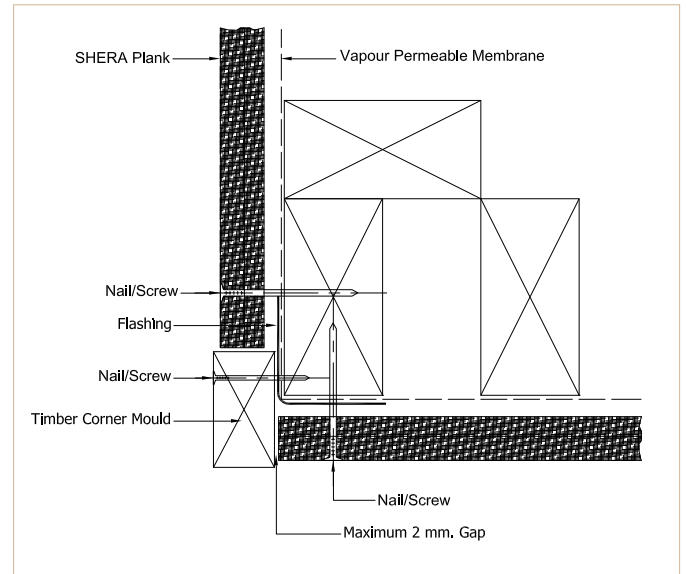
Drawing 6 : SHERA Plank Jointing Details



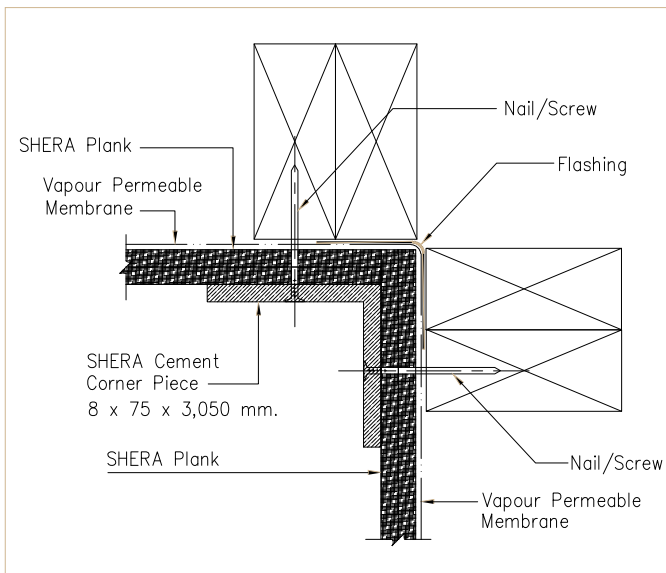
Drawing 7 : SHERA Plank's Wall-to-Soffit Junction



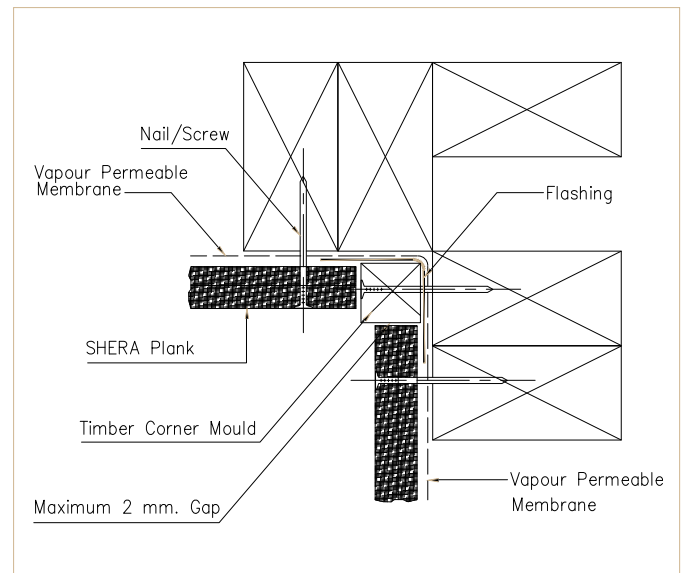
Drawing 8 : SHERA Plank's External Corner Junction (Option 1)



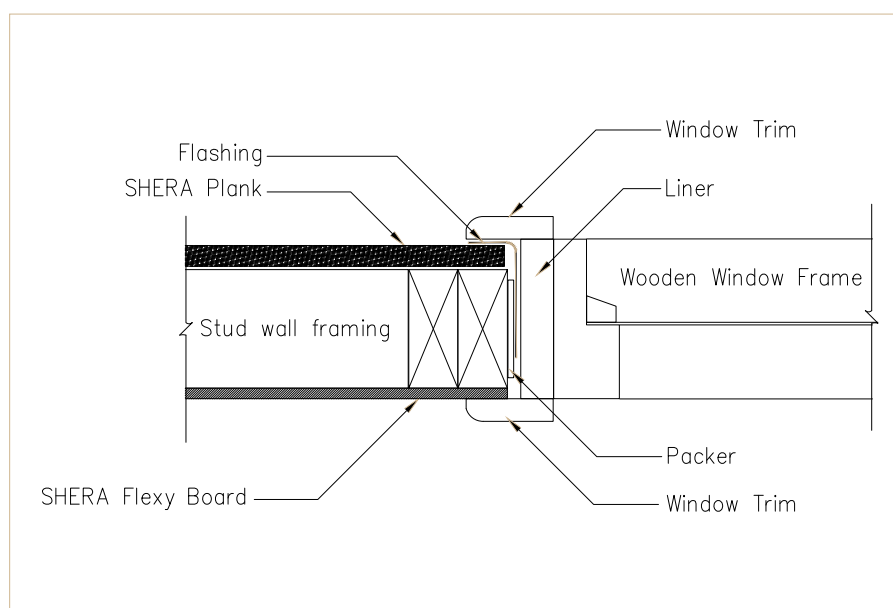
Drawing 9 : SHERA Plank's External Junction (Option 2)



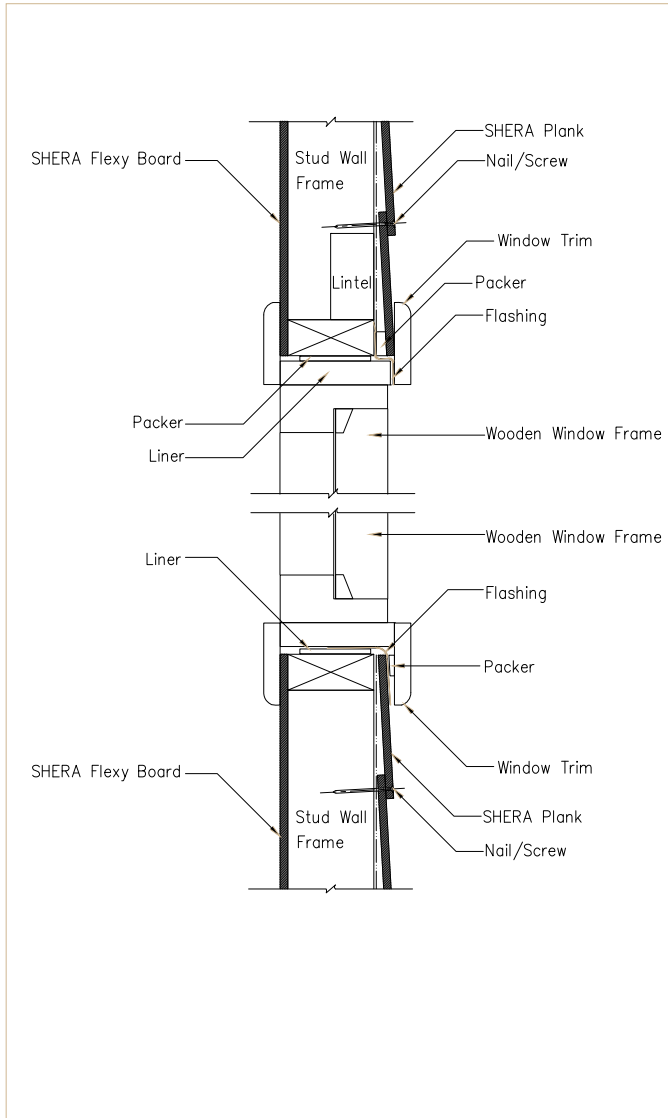
Drawing 10 : SHERA Plank's Internal Junction (Option 1)



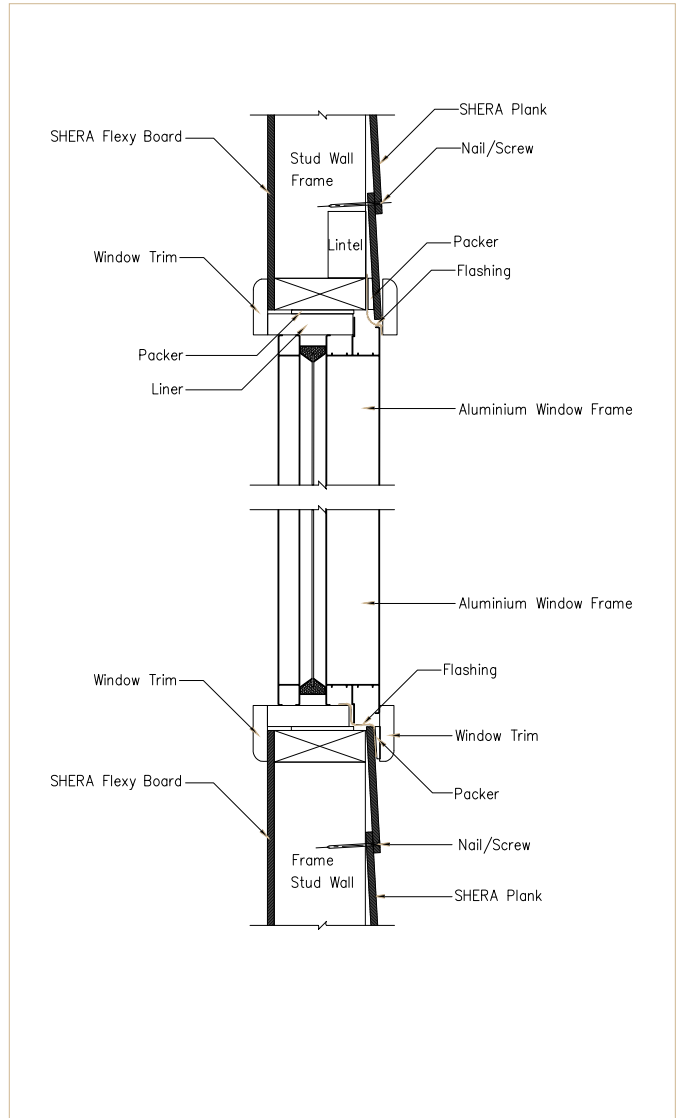
Drawing 11 : SHERA Plank's Internal Junction (Option 2)



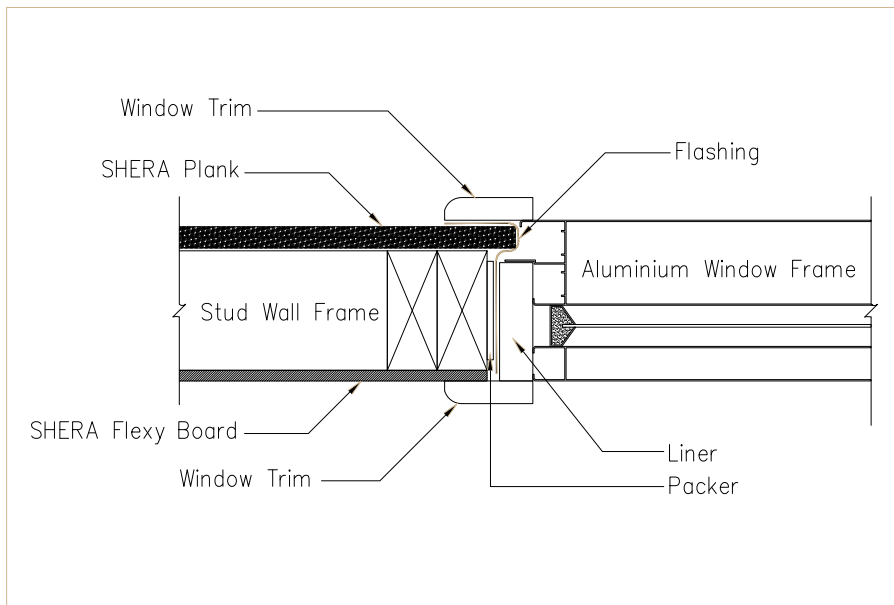
Drawing 12 : Door / Window Jamb Detail (Wooden Frame)



Drawing 13 : Door / Window Head and Sill Detail (Wooden Frame)



Drawing 15 : Door / Window Head and Sill Detail (Aluminium Frame)



Drawing 14 : Door / Window Jamb Detail (Aluminium Frame)

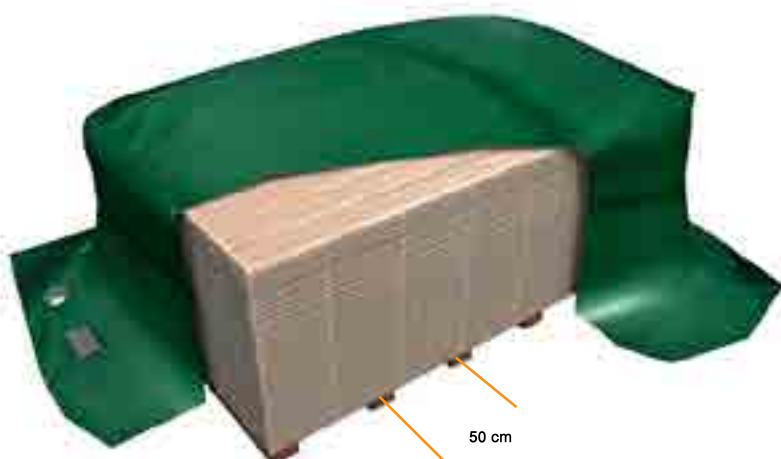
STORAGE AND HANDLING

SHERA PLANK and SHERA Splendid Plank should be handled and stacked carefully to avoid damage to the edges and corners. The maximum height of a stack should not be greater than 1 meter and the stack should be supported every 50 cm by timber bearers.

SHERA Plank and SHERA Splendid Plank should be handled, supported at both ends, at about 50cm from each end. Planks should always be lifted edge-up, with the plank width oriented vertically.



SHERA siding should be stacked on dry and level ground. It is recommended SHERA Plank products are stored under cover to ensure an equilibrium moisture content condition for fixing and finishing. Installing SHERA Plank products when damp or wet, may result in shrinkage or cracking at joints or fitting points.



TECHNICAL DATA

	Standard	Unit	SHERA Plank	SHERA Splendid Plank
Physical Information				
Thickness Tolerance		mm	+0.5	+0.5
Density	ASTM C 1185	kg / m ³	1360+50	1360+50
MOR	ASTM C 1185	Mpa	>19.77 (EMC)	>19.77 (EMC)
MOE	ASTM C 1185	Mpa	7100+500 (EMC)	7100+500 (EMC)
Water Absorbtion	ASTM C 1185	%	≤35%	≤35%
Moisture Content	ASTM C 1185	%	≤12%	≤12%
Water Tightness	ASTM C 1185		Pass	Pass
PH Value			7-8	7-8
Thermal Conductivity	ASTM C 177	W/m. °k		
Acoustic Insulation	ASTM E 80	dB		
Fire Resistance Properties				
Ignitibility	BS 476 Part 5		P	P
Fire Propagation Index	BS 476 Part 6		I=O	I=O
Surface Spread of Flame	BS 476 Part 7		Class 1	Class 1
Durability Properties				
Freeze / Thaw Resistance	ASTM C 1185		Pass	Pass
Warm Water Resistance	ASTM C 1185		Pass	Pass
Heat / Rain Resistance	ASTM C 1185		Pass	Pass
Soak / Dry Resistance	ISO : 8336 Part (E)			



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