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SHERA JOINTING & FINISHING MANUAL

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SHERA jointing and finishing manual gives its users detailed understanding about the application and usage of **SHERA jointing Compound and its accessories.**

Jointing and finishing process crafted by **SHERA** comes with an excellence, which helps consumers to enhance the beauty of cladding **SHERA boards** and do the seamless finish in multiple applications like walling, false ceiling, flooring etc.

Content

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Introduction

Seamless jointing is a technique that involves treating board-to-board joints with a jointing compound. It is widely used to create a continuous and smooth surface in false ceilings, paneling, and walling applications. In such applications, board-to-board joints are not visible.

Accessories used for joint finishing process

Using the proper accessories in an appropriate manner ensures to achieve excellence finish in the overall application.

List of accessories

SHERA Cement Bonding

It is an acrylic latex, ready-to-use bonding agent that penetrates the pores of the surface. This product ensures good adhesion between the SHERA board & the jointing compound, helping to enhance the durability of the finished product over SHERA joints. It comes in liquid form & is applied with the help of a paintbrush at the board joint areas

Packaging – 4 lit/ Can

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SHERA Fibre Mesh Tape

SHERA Fibremesh Tape is a 50mm-wide, self-adhesive fiberglass mesh tape used for seamless application at board-to-board joints in walling, ceilings, and paneling. SHERA Fibremesh Tape has enhanced properties that provide strong reinforcement at board-to-board joints.

Packaging – 90mtr/ Roll

SHERA Cement Jointing Compound

SHERA Cement Jointing Compound consists of two components:

- **Part A** is a cementitious powder-based material.
- **Part B** is a thick paste of acrylic polymer

Part A and Part B are mixed in a 1:1 ratio by weight, to achieve a thick uniformly blended jointing compound. This compound is compatible with SHERA Board, providing a seamless look when used in wall partitions, cladding, and other applications.

It has high adhesion strength, excellent weather resistance ability, and can be easily sanded to produce a smooth surface after drying. The compound is easy to apply and provides a continuous smooth surface, effectively concealing board-to-board joints, which can be easily painted.

SHERA Cement Jointing Compound is suitable for interior, exterior, and wet area applications.

Packaging – 4kg / Can & 20kg/ can

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SHERA Flexible Jointing Compound

SHERA Flexible Jointing Compound is a ready-to-use, white-colored paste finishing product, specially designed for SHERA Boards to provide a seamless look for false ceilings, soffit ceilings, and various other applications where structural movement is expected.

It is easy to apply and provides a smooth, paintable surface. SHERA Flexible Jointing Compound offers high adhesion strength, excellent weather resistance, and superior flexibility/elongation properties. Its flexibility makes it the ideal solution for ceilings and also for a wall system which are prone to vibration and structural movement.

SHERA Flexible Jointing Compound is suitable for interior, exterior, and wet area applications.

Packaging – 5kg / Can & 25kg/ can

PU 25 Sealant

PU Sealant is an accessory used in butt joints & for filling gaps between SHERA Board and adjacent structures. PU Sealants are paintable and flexible in nature.

Packaging – 600ml/sausage

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Standard Types of Joints

During the installation of SHERA boards in applications such as false ceilings, paneling, and walling, the applicator will encounter multiple types of joints, which may include board-to-board joints or joints between the board and adjacent structures. The standard types of joints are listed below:

SHERA Jointing Types

Type 1 Butt Joint

Type 2 Flush (Seamless) Joint – Regular exterior & interior applications

Type 3 Flexible Seamless Joint – Ceilings & applications with more structural movement

Type 4 SHERA Board to Adjacent Structure Joint

- **Case 1** L-Corner – Board to adjacent structure joint
- **Case 2** Ceiling Junction – Board to adjacent ceiling structure

Type 5 Flush (Seamless) Joint – External Side of L-Junction

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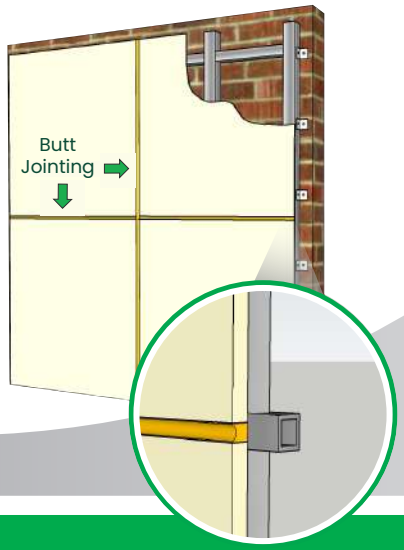
Type 1
Butt Joint

A butt joint is a joint between two boards, as shown in the diagram/picture. In a butt joint, a gap of 3 to 5mm is maintained in a straight line between board-to-board joints. This type of joint is typically used at control joints to achieve groove finishes and for other aesthetic purposes.

Case 1 Regular Board to board joint



Case 2 L Corner Board to board joint

Application Process

5 Easy Steps for Butt Joint (Groove Finish)

Step 1 Maintain a **3 to 5mm** gap between two SHERA boards

Step 2 Stick **masking tape/paper tape** at the board edges along the groove to achieve a straight and clean finish. **Do not skip this step,** as it helps maintain the straightness of the groove and prevents sealant from spreading along the edges, which could spoil the finish.

Step 3 Prepare a **soap-water solution** before filling the **PU sealant**. While preparing, cut the **PU gun nozzle tip** according to the groove size. Insert the **PU sausage** into the gun & fill the gap between the **SHERA boards** using **PU 25 sealant**. Ensure that the **PU sealant** is properly filled in the gap.

Step 4 Wear **finger gloves** and dip your finger in **soap water**. Then, run your finger along the **PU-filled butt joint** to achieve the desired **smooth groove finish**.

Step 5 **Gently remove the masking tape** immediately before the sealant begins to dry.

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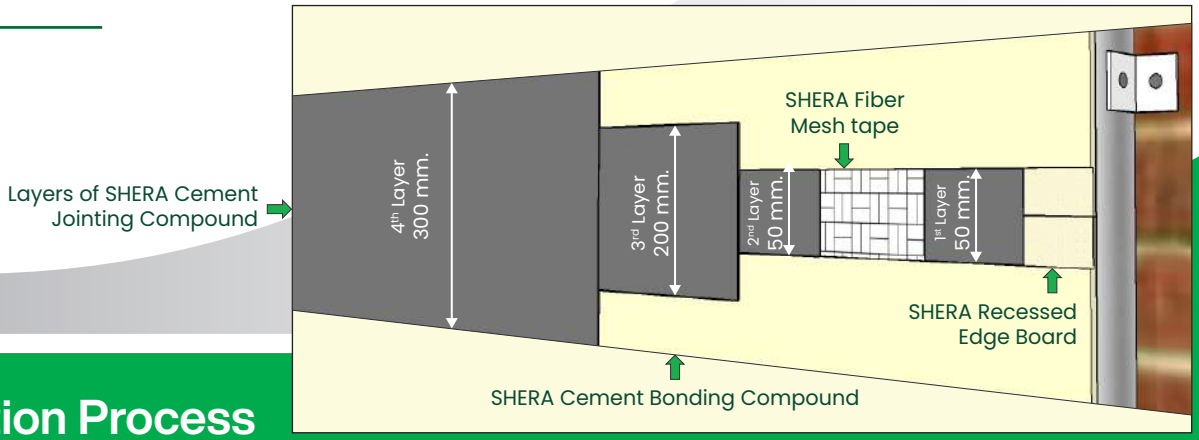
Type 2

Flush (Seamless) Joint – Regular exterior & interior applications

A flush (seamless) joint for regular exterior and interior applications is the joint between the edges of two boards placed adjacent to each other. These joints hide the gap between the two boards, providing a uniform, continuous, and seamless appearance on the applied surface. The joints are finished in a way that gives a continuous look, with all board-to-board joints hidden, improving the aesthetic appeal.

The schematic drawing/picture shows the concept of a flush joint. These types of joints can be used in both interior, exterior, and wet area applications.



Application Process

9 Easy Steps for Seamless/ Jointless Finish

In this process, we will be using SHERA Cement Jointing Compound, which comes in 2 parts: Part 1 is in powder form, & Part 2 is a thick paste. Mix the jointing compound in a 1:1 ratio using a screw machine with a spinner/stirrer as an attachment.

Step 1 Mix **SHERA Cement Bonding Compound** in a container with a stirrer.

Step 2 Apply Cement Bonding Compound on the surface area of the board along the joints with a brush, and allow it to dry for 10 minutes.

Step 3 Preparation of Jointing Compound before Application: Do not add any other liquid or compound to alter the paste's consistency (to make it thinner or thicker).

Step 4 Apply the **1st Layer of SHERA Cement Jointing Compound** in a 50mm width at the board-to-board joints. Ensure there is no gap between the two boards.

Step 5 Stick **SHERA Fibre Mesh Tape** over the first layer of jointing compound.

Step 6 After the first layer dries, apply the **2nd Layer of Jointing Compound** in **50mm width** and allow it to dry.

Step 7 Apply the **3rd Layer of SHERA Jointing Compound** in **200mm width** and allow it to dry.

Step 8 Apply the final **layer of SHERA Jointing Compound** in **300mm width** and wait for it to dry before sanding.

Step 9 Once completely dry (approximately **24 hours** under normal climatic conditions), sand the surface using a sander machine or sandpaper to achieve a smooth finish.

Note: The total thickness of the SHERA jointing compound application should not exceed 1 to 1.5mm.

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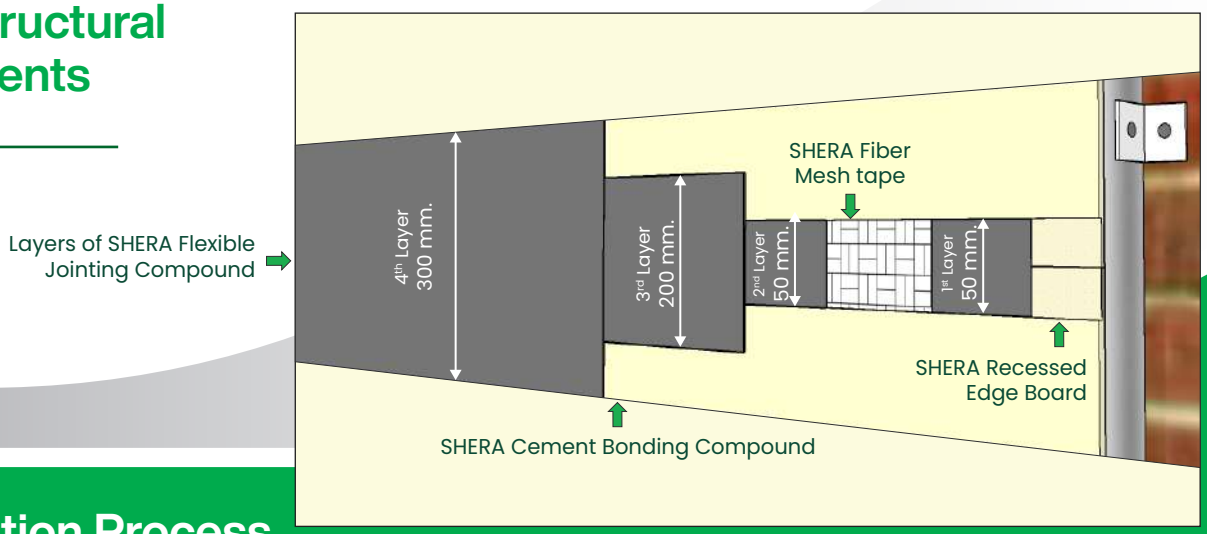
Type 3

Flexible Seamless Joint - Ceiling & Applications With More structural movements

A Flexible Seamless Joint is a type of joint primarily used in ceiling applications or in areas where higher structural movements are expected. However, control joints play a vital role in conjunction with these types of joints.

The schematic drawing/picture below shows the concept of a Flexible Seamless Joint.



Application Process

9 Easy Steps for Seamless/ Jointless Finish

In this process, we will be using Flexible Jointing Compound, which comes in a single part and is ready to use. Before application, mix the jointing compound using a screw machine with a spinner/stirrer as an attachment.

Step 1 Mix **SHERA Cement Bonding Compound** in a container with a stirrer.

Step 2 Apply Cement Bonding Compound on the surface area of the board along the joints with a brush, and allow it to dry for 10 minutes.

Step 3 Preparation of Jointing Compound before Application: Do not add any other liquid or compound to alter the paste's consistency (to make it thinner or thicker).

Step 4 Apply the **1st Layer of SHERA Flexible Jointing Compound** in a 50mm width at the board-to-board joints. Ensure there is no gap between the two boards.

Step 5 Stick **SHERA Fibre Mesh Tape** over the first layer of jointing compound.

Step 6 After the first layer dries, apply the **2nd Layer of Jointing Compound** in **50mm width** and allow it to dry.

Step 7 Apply the **3rd Layer of SHERA Jointing Compound** in **200mm width** and allow it to dry.

Step 8 Apply the final **layer of SHERA Jointing Compound** in **300mm width** and wait for it to dry before sanding.

Step 9 Once completely dry (approximately **24 hours** under normal climatic conditions), sand the surface using a sander machine or sandpaper to achieve a smooth finish.

Note: The total thickness of the SHERA jointing compound application should not exceed 1 to 1.5mm.

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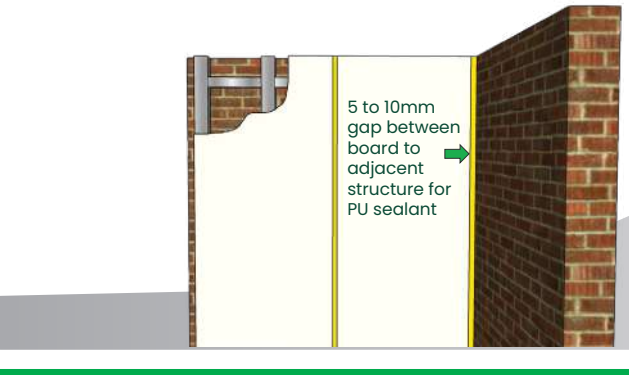
Type 4

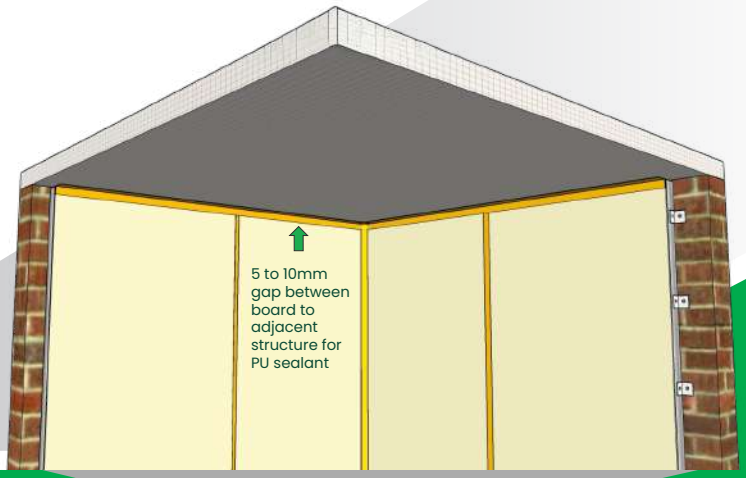
SHERA Board to Adjacent Structure Joint Movements

While executing multiple applications like walling, ceiling, flooring, etc., one will encounter several locations where SHERA board edges meet adjacent structures. To avoid cracks at these joints, a 5 to 10mm gap is provided and treated with PU sealant. The schematic drawing/picture below shows the concept of the SHERA Board to adjacent structure joint

Case 1 SHERA Board to adjacent structure



Case 2 SHERA Board to Ceiling



Application Process

5 Easy Steps for Butt Joint (Groove Finish)

Step 1 Maintain a **3 to 5mm** gap between two SHERA boards

Step 2 Stick **masking tape/paper tape** at the board edges along the groove to achieve a straight and clean finish. **Do not skip this step,** as it helps maintain the straightness of the groove and prevents sealant from spreading along the edges, which could spoil the finish.

Step 3 Prepare a **soap-water solution** before filling the **PU sealant**. While preparing, cut the **PU gun nozzle tip** according to the groove size. Insert the **PU sausage** into the gun & fill the gap between the **SHERA boards** using **PU 25 sealant**. Ensure that the **PU sealant** is properly filled in the gap.

Step 4 Wear **finger gloves** and dip your finger in **soap water**. Then, run your finger along the **PU-filled butt joint** to achieve the desired **smooth groove finish**.

Step 5 **Gently remove the masking tape** immediately before the sealant begins to dry.

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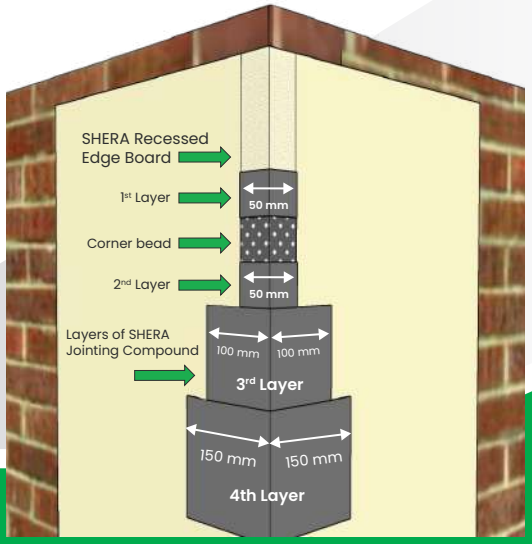
Type 5

Flush (Seamless) Joint – External Side of L Junction

A **flush (seamless) joint** for the **L-junction** on the external side of various applications like **cladding, walling, etc.,** is one of the important joint locations that must be treated with the appropriate solution, as it directly impacts the appearance of the junction. Using **corner beads** helps ensure proper care of the straightness and right angle at this particular junction, ensuring the best aesthetics.



Application Process

9 Easy Steps for Seamless/ Jointless Finish

In this process, we will be using SHERA Cement Jointing Compound, which comes in 2 parts: Part 1 is in powder form, & Part 2 is a thick paste. Mix the jointing compound in a 1:1 ratio using a screw machine with a spinner/stirrer as an attachment.

Step 1 Mix **SHERA Cement Bonding Compound** in a container with a stirrer.

Step 2 Apply the Cement Bonding Compound on the surface area of the board along the joints with a brush and allow it to dry for 10 minutes.

Step 3 Preparation of Jointing Compound before Application: Do not add any other liquid or compound to adjust the paste's consistency thinner or thicker.

Step 4 Apply the 1st Layer of SHERA Jointing Compound (any type as per your project requirement) in 50mm width at the board-to-board joints. There should be no gap between the two boards.

Step 5 Stick the corner bead over the first layer of the jointing compound.

Step 6 After the first layer dries, apply the 2nd Layer of Jointing Compound in 50mm width and allow it to dry.

Step 7 Apply the 3rd Layer of SHERA Jointing Compound in 200mm width and wait for it to dry. Ensure the coating at the corner line is minimal to avoid compound chipping off at the corner.

Step 8 Apply the final layer of SHERA Jointing Compound in 300mm width and wait for it to dry before sanding.

Step 9 Once completely dry (approximately 24 hours under normal climatic conditions), sand the surface using a sander machine or sandpaper to achieve a smooth finish.

Note: *Ideally, the sharp corner edge should be left for paint finishing only, without any coating on top. However, it's important that this edge is well-matched with the wall edges using jointing compound.
*The total thickness of the SHERA Jointing Compound application should not exceed 1 to 1.5 mm

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Tool List

To ensure the desired finish and output, it is very important to select the correct tools. With the help of the right tools and equipment, one can achieve maximum efficiency. The tools required for the jointing and finishing process are listed below

Angle Grinder with the cutter blade

Power Input : 710 W

No load speed : 11,000 min(rpm)

Screw machine

Power Input : 550 W

Speed : 0-2500 rpm

Sanding machine

Power Input : 1200 W

No load speed : 13,000 rpm

SHERA Grinder Control

Hand Trowel

Spinner

PU Gun with Nozzle

Masking tape

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