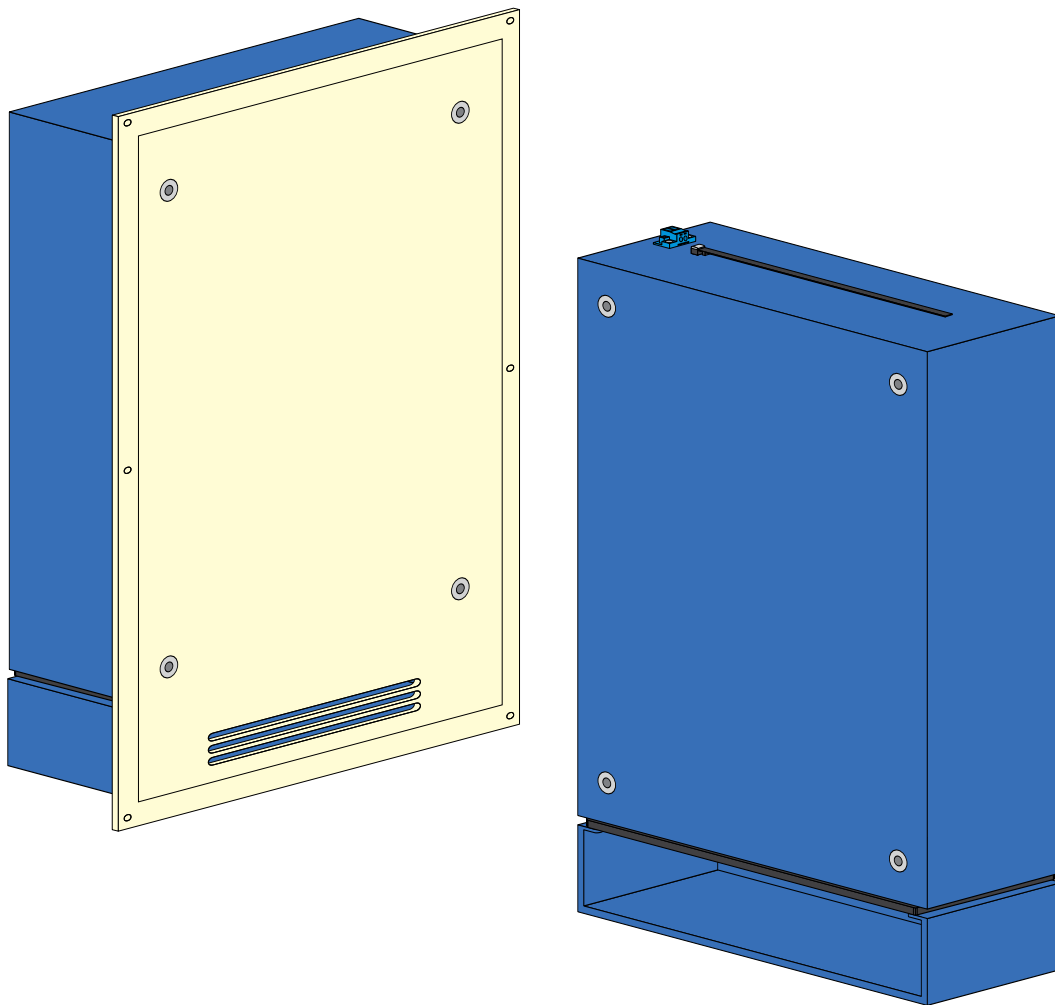


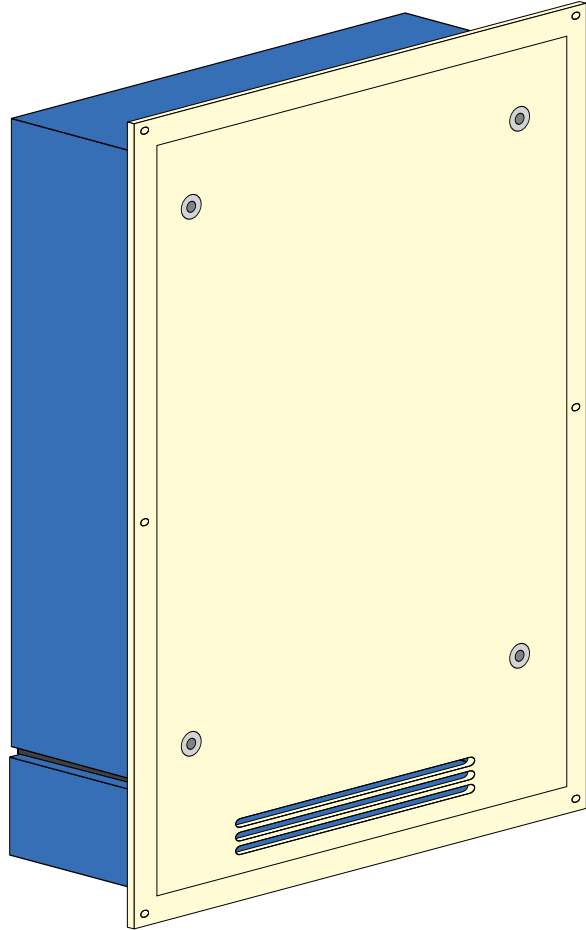
Installation Manual



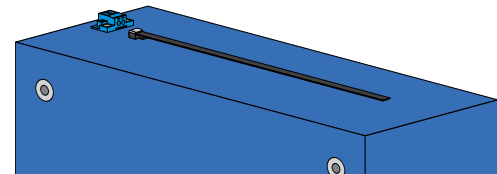
Nakymatone
invisible loudspeakers

Model: BASE

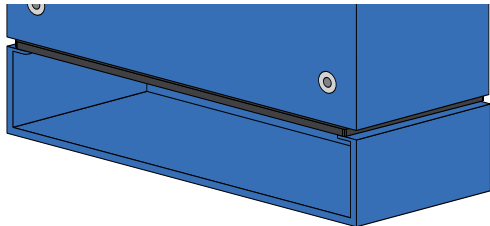
Box Contents and Components



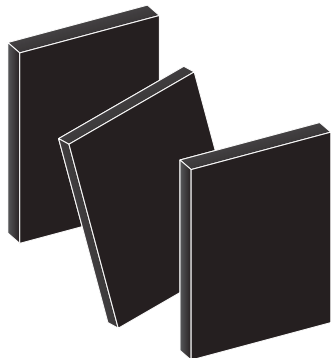
In-Wall Subwoofer on mounting board



Wire terminal with relief strap



Directional port vent. Detachable for horizontal installation



Peel and Stick Rubber Spacers
(For drywall of various thickness)

Installation Location

Where and how the in-Wall Subwoofer is installed will affect performance. It is important to consider carefully where to install the product.

For optimal performance:

- The Subwoofer should be mounted low in the room, preferable close to a corner. This will allow the sound vibrations to bounce off nearby surfaces.
- The 3 horizontal slots in the mounting plywood must remain open to allow adequate ventalation. The board can be painted but not wallpapered or plastered, or covered by baseboard. If necessary, have a carpenter route matching slots in the baseboard.
- This product is a passive subwoofer. It is to be paired with amplification using a crossover with 110hz or lower.
- Multiple subwoofers can be installed in series to create even bass distribution

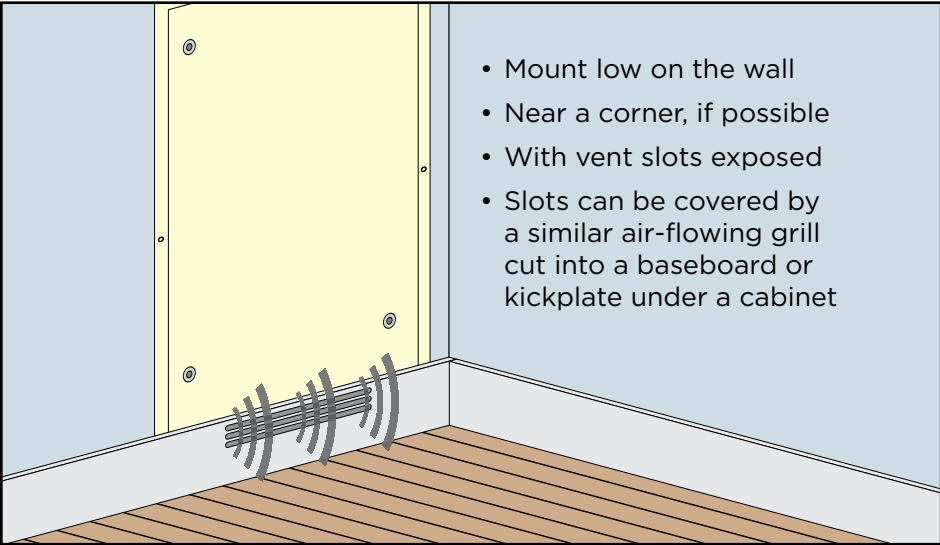


Figure x.

New Construction Installation

1. The In-Wall Subwoofer is designed to be mounted between studs that are 16" on-centre.
2. Place the In-Wall Subwoofer between 2 studs using the placement notes listed above.
3. The In-Wall Subwoofer is mounted on 1/4" plywood. Use the included rubber spacers to raise the face of the plywood to be flush with the future drywall.
4. Use 6 mounting screws (Not provided) in the pre-drilled pilot holes to secure the In-Wall Subwoofer to the studs.

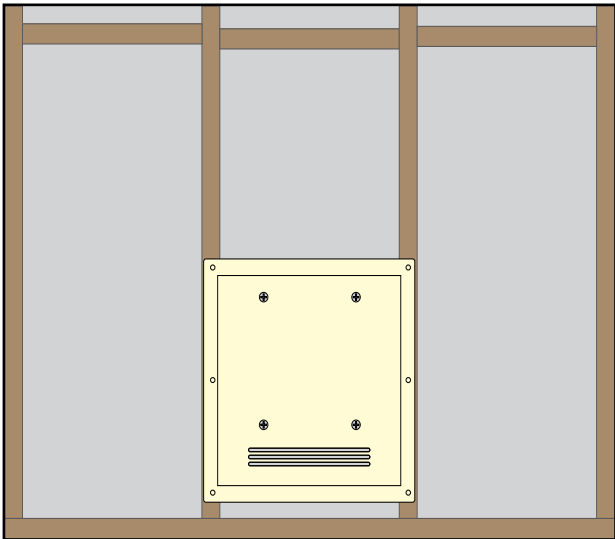


Figure x.

In-Wall Installation

1) Marking the wall

1. Use a “stud locator instrument” or other approach to mark the location of studs and other items that may obstruct the installation of the speaker.
2. The following clearances within the wall are required to install the speaker (with no obstruction from studs or other wall fixtures): H 265mm x W 255mm x D 89mm (H 14.3” x W 10” x D 3.5”)

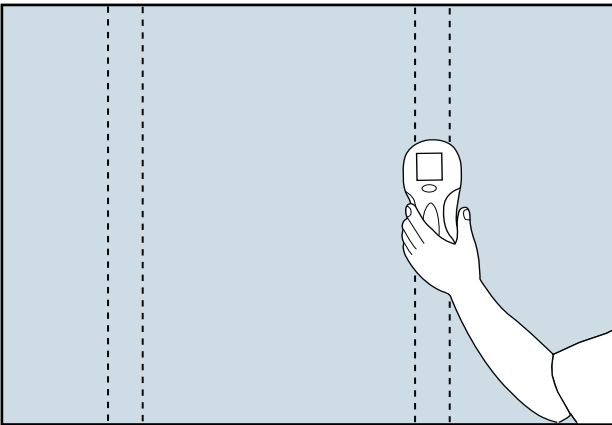


Figure X.

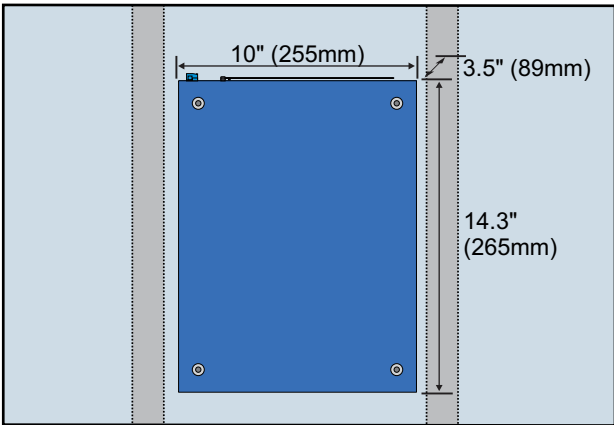


Figure X.

2) Cutting the drywall

1. The In-Wall Subwoofer is designed to be mounted between studs that are 16” on-centre. Mark an area 16” tall between 2 studs.
2. Using a drywall saw, cut through the drywall along your markings
3. Check size for speaker and mounting board, there should be approximately 2mm clearance on each side.
4. Check clearance by holding the front of the speaker with the cutout in the wall (dry fit).
5. The In-Wall Subwoofer is mounted on 1/4” plywood. Use the included rubber spacers to raise the face of the plywood to be flush with the drywall.

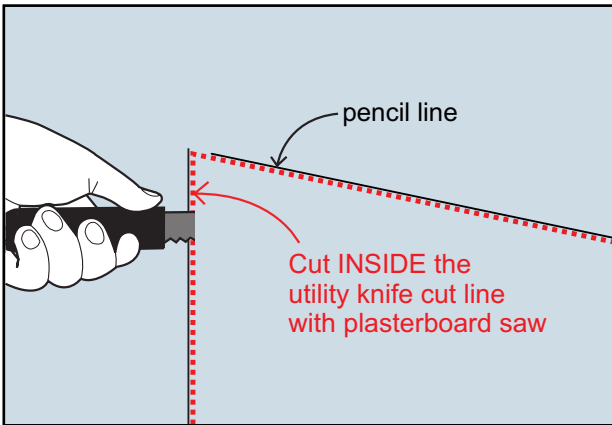


Figure X.

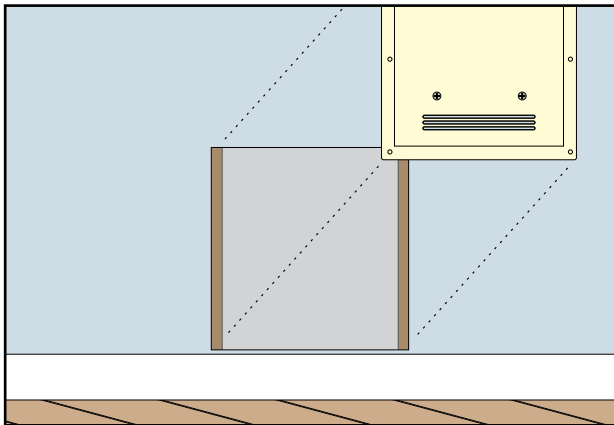


Figure X.

Wire Connection

3) Connect the wire

Before securing the In-Wall Subwoofer in place, connect the speaker wire to the pre-run speaker wire.

1. Terminate the wire in phoenix connector provided.
2. Secure the wire within the phoenix connector using the built in screws.
3. Route the wire with the relief strap and attach the connector to the speaker with the built-in screws.

Important:

- Connect wires to the correct polarity as indicated on connector.
(For TWEE model left and left centre Channel 1; right and right centre Channel 2)
- Ensure that exposed copper strands do not short circuit at the terminals of the connector.
- Do not solder the cable in the connector or put solder on the strands as this may cause wiring failure at the connector.
- Ensure the wire connector is secured with the screws to speaker connector during final mounting.
- Make sure the speaker wire is strapped securely in the Relief Strap during final mounting.

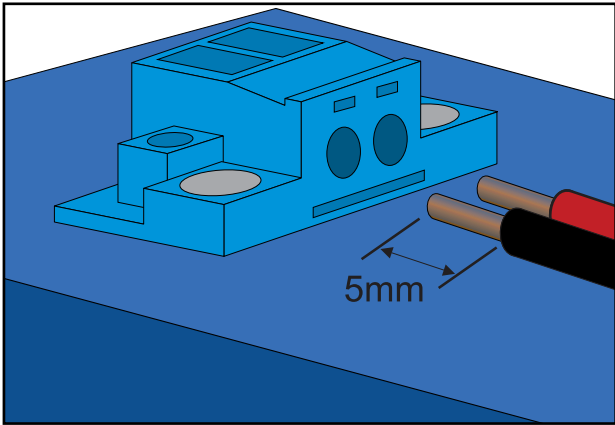


Figure X.

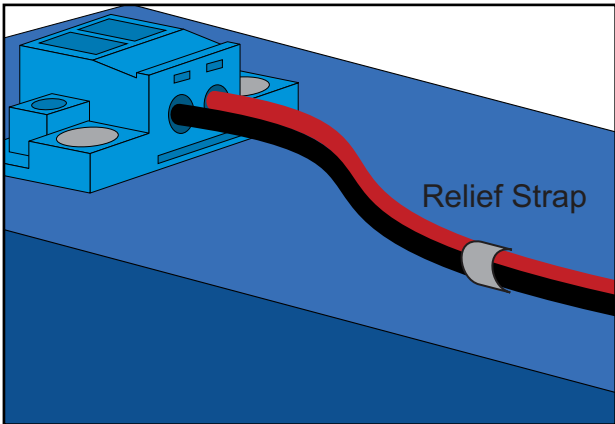


Figure X.

4) Mount the speaker

1. Place the speaker back into the wall opening, being careful to not snag the connected wire.
2. Use 6 mounting screws (Not provided) in the pre-drilled pilot holes to secure the In-Wall Subwoofer to the studs.

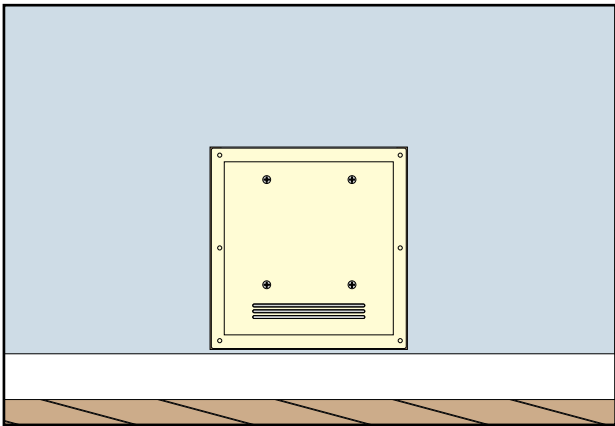


Figure X.

Horizontal Installation

Horizontal Installation

The In-Wall Subwoofer can also be installed on a floor, in a horizontal position, laying on the floor of the room. With this horizontal option the Subwoofer can be placed under cabinets or furniture to expand its use into tight spaces. For horizontal installation, the Direction Port Vent is removed from the In-Wall Subwoofer and replaced with the Horizontal Port.

1. Reveal the screw access holes by removing the adhesive feet from bottom of the Direct Port Vent.
2. Insert a Phillips screwdriver shaft through the access hole to remove the four screws attaching the Direct Port Vent to the In-Wall Subwoofer.
3. Attach the Horizontal Port to the In-Wall Subwoofer using the same four Phillips screws.
4. Connect the speaker wire to the In-Wall Subwoofer following the steps on the previous page.

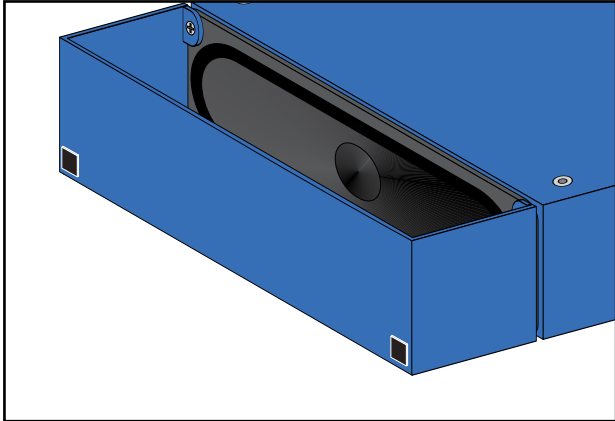


Figure X.

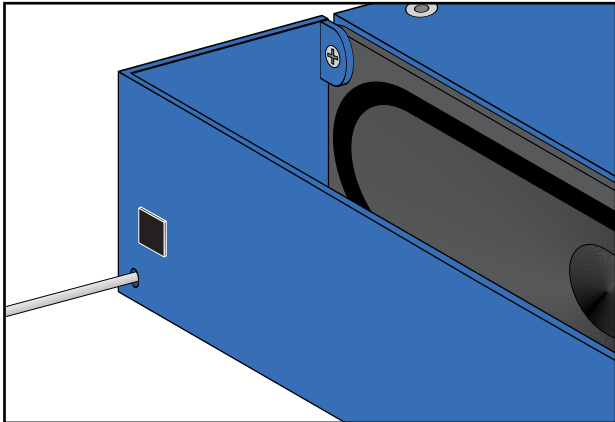


Figure X.

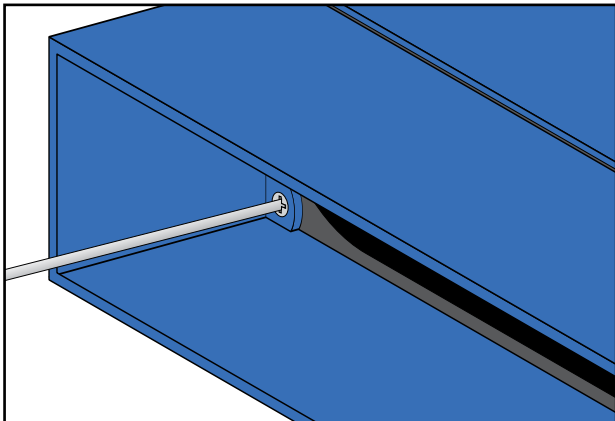


Figure X.

Finishing

Choosing compound taping and finishing compounds

Compound Types

1. Joint taping compound is stronger than topping compounds, and should be used for the first coat to minimize the chances of cracking.
2. All-purpose compound can be used but is not as strong as a finishing compound due to its' poor level of finish.

Pre-mixed and Setting Compounds

1. Pre-mixed provides a convenient form for both taping and topping compounds.
2. Setting compounds have the potential to speed up the installation with multiple coats in one day.

IMPORTANT: Take care to use minimal taping compound over the mounting board of the speaker. Be sure the horizontal slots are left open and clear for the bass to travel into the intended space. The whole board and slots can be covered if needed to be hidden behind a baseboard for instance, as long as the slots are transposed to allow the volume of air to pass through.

Tapes

Paper or fibreglass tapes can be used in accordance with manufacturer's directions.

First coat and tape

1. Apply a thin coat of high quality primer on the speaker mounting plywood and area around the cut-out.
2. Fill in any gaps between the speaker and drywall edge with drywall compound.
3. Apply tape over the seams.
4. Covered tape with drywall compound in a manner that requires minimal sanding.
5. Apply a thin coat over the mounting board of the speaker to create a flat surface with the surrounding drywall.
6. Skim drywall compound over mounting screw heads.

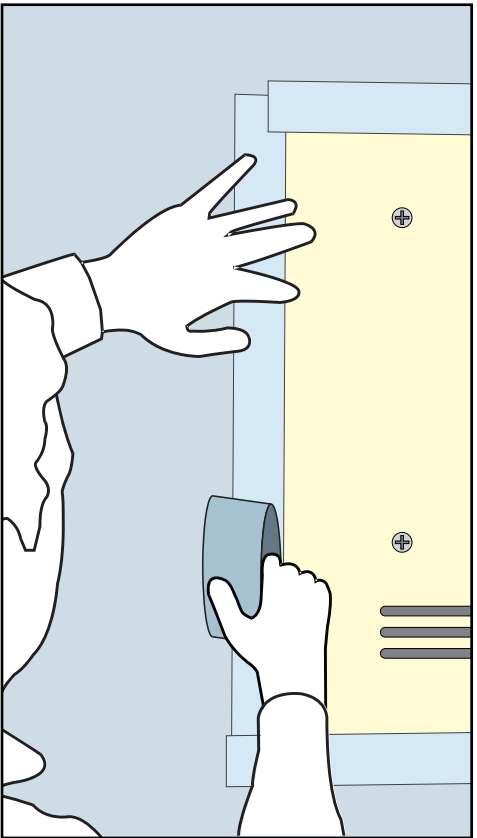


Figure X.

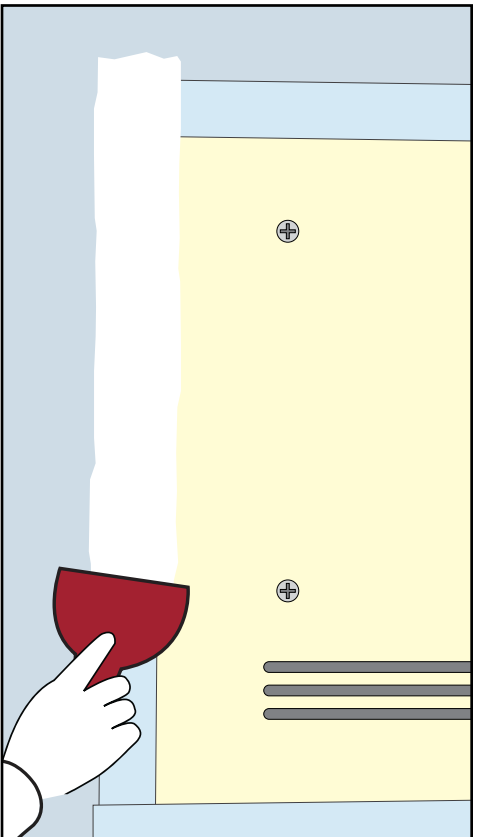


Figure X.

Finishing

Intermediate and final coats

Follow manufacturers directions for applying intermediate and finishing coats for jointing and patching plasterboard/drywall.

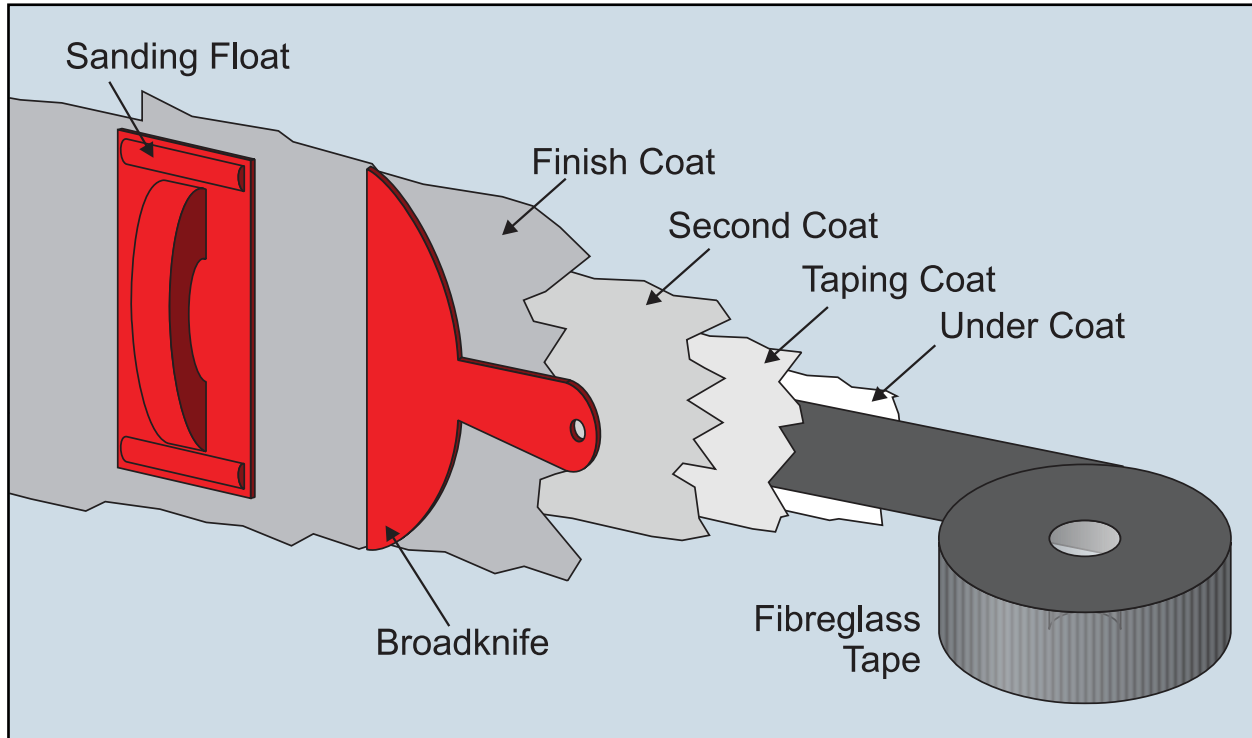


Figure X.

Painting and wallpapering

Finish the wall with paint or wallpaper in the usual manner, while keeping the ventilation slots unobstructed.

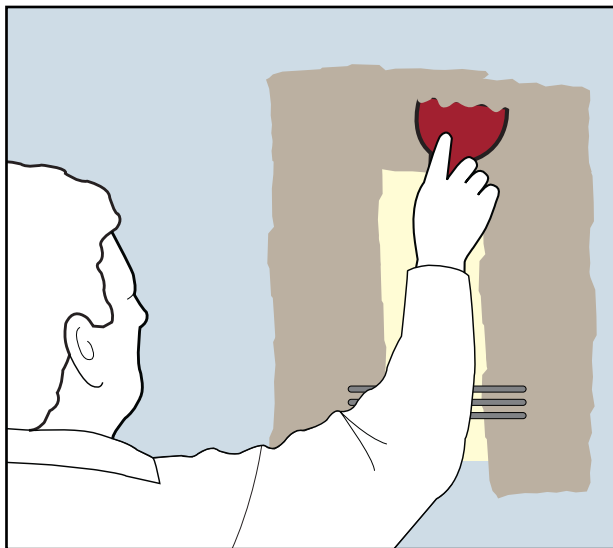


Figure X.

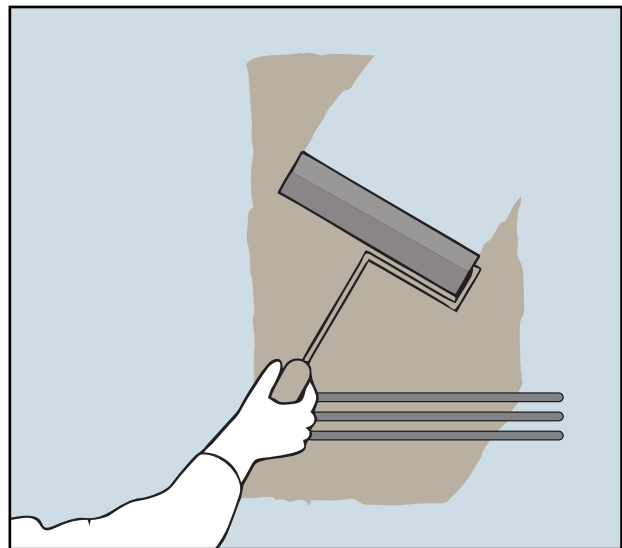


Figure X.