

ACOUSTIC WALL INSTRUCTIONS

Acoustic Wall Pro is an acoustic wall covering made with 100% recyclable PET technology, designed to improve acoustic comfort indoors. The panels have a velour-like finish and are soft to the touch, adding style and functionality by absorbing sound.

Acoustic Wall Pro reduces reverberation and noticeably improves sound quality in any room, absorbing between 20 and 50% of sound waves in the 500 to 4000 Hz range.

Acoustic Wall Pro is intended for commercial use in indoor spaces and is suitable for vertical applications as a decorative wall element.

Make sure the surface is firm, clean and in optimal condition for anchoring the product.

This document contains several installation methods:

- Installation with VELCRO
- Installation with MAPEFLEX MS45
- Installation with STAPLES/NEEDLES

PACKAGING

The Acoustic Wall Pro comes packaged in a cardboard box with a die-cut front window so you can open it and view the product. General product information is printed on both the front and back. You'll also find QR codes with direct links to additional product information.

Inside the package you will find two Acoustic Wall Pro panels measuring 2600 x 600 x 9 mm. Avoid bending them for more than 12 hours to prevent permanent deformation.

PACKAGING INSTALLATION SYSTEMS

- MAPEFLEX MS 45 comes in 310 ml cartridges. Each box contains 12 cartridges.
- VELCRO self-adhesive tape comes packaged in a box with general product information. Inside the package, you will find a roll measuring 50 mm x 12 m.

Safety Precautions

Before beginning any Acoustic Wall Pro installation, prioritize personal and environmental safety. This product and its installation methods involve sharp tools, chemical adhesives, and potential electrical or moisture hazards. Follow these precautions to minimize accidents, injuries, or property damage. If you are unfamiliar with the process, consult a certified professional.

Mandatory Personal Protective Equipment (PPE)

- **Safety glasses** : Protect your eyes from dust particles, splinters, or adhesive splashes during cutting or application.
- **Heavy-duty gloves** : Use nitrile or leather gloves when handling sharp tools (cutter, scissors) and adhesives (avoid contact with skin to prevent irritation).
- **Mask or respirator** : Essential for methods that generate dust (pitting saw) or fumes (refer to the manufacturer's adhesive specifications.)
- **Work clothes** : Wear long-sleeved garments, pants and closed shoes to avoid cuts or exposure to chemicals.
- **Helmets or hearing protection** : Recommended if using a power saw or in noisy environments.

Preparing the Work Environment

- **Adequate ventilation** : Work in well-ventilated areas, especially when applying adhesives, to disperse toxic fumes. Use exhaust fans if necessary. Avoid installations in confined spaces.
- **Pre-work inspection** : As outlined in "Work Area Assessment," check for and correct any issues with moisture, mold, or faulty electrical connections **before** starting. Disconnect the power to the area if there is a risk of contact with wires.
- **Stable surface** : Ensure the floor is dry and free of obstacles to prevent slipping. Do not install at heights without scaffolding or unstable ladders.

- **General prohibitions** : No smoking, no eating or drinking near adhesives or tools. Keep children and pets away from the area.

Specific Risks by Installation Method

- **Velcro**: Handle carefully to avoid pinching your fingers when pressing panels. Do not use on hot surfaces (>40°C).
- **Adhesives (MAPEFLEX MS45)** :
 - Read the product's Safety Data Sheet (SDS) before use and the manufacturer's application instructions.
 - Apply in small amounts to test adhesion and avoid excess.
 - In case of contact with skin or eyes: Rinse immediately with plenty of water and seek medical attention.
- **Staples /Needles**:
 - Use drills or staplers with a safety brake. Unplug power tools when changing accessories.
 - Avoid overtightening to prevent damage to panels or surfaces.
- **Panel Cutting** :
 - Keep your hands away from the cutting line. Use fixed rules to guide tools.
 - For saws: Secure the panel and connect a vacuum cleaner to reduce inhalable dust.
 - Dispose of used sheets or discs immediately to prevent accidents.

WORK AREA EVALUATION

Acoustic Wall Pro is a product that can be installed cleanly, without generating debris or dirt.

Moisture problems must be addressed and corrected before product installation.

Inspect for leaks in pipes, radiators, faulty electrical connections, or exposed wires.

If the surface is wood, perform a moisture test before installing the product. Visible signs of moisture can damage the adhesive. Use a moisture meter (limit <2%) for wood surfaces.

Wear gloves and goggles during the inspection to avoid risks.

ATTENTION: Mold and mildew only grow in the presence of moisture. Any moisture problems in the work area must be addressed and corrected before proceeding with product installation.

The surface for installing Acoustic Wall Pro must be **clean and completely dry** in order to carry out the installation with VELCRO.

Once the area has been assessed, proceed to prepare the surface.

SUITABLE SURFACES FOR INSTALLATION

Acoustic Wall Pro can be installed on any smooth surface as long as it does not constantly shed dirt, such as construction dust caused by plaster, cement or building material, paint dust caused by paint degradation, salt efflorescence or saltpeter caused by mineral salts from humidity or similar to those indicated.

The wall must be firm, clean, and dry before applying the VELCRO adhesive.

VELCRO can adhere to surfaces:

- Smooth (paint, plaster).
- Fine textured paint.
- Tiles.
- Not suitable: Constant dust, efflorescence.

If the surface is uneven, use putty to level it first.

The surface must have a maximum unevenness of 2 mm per linear meter; on larger uneven surfaces, the Velcro may not adhere properly and create a height difference between pieces. Test adhesion on a small area before installing everything.

WORK AREA

1. Let the other construction work finish.
2. The buildings must be completely enclosed, with exterior windows and doors permanently installed.
3. Level any uneven substrates. All subfloors must meet minimum building requirements. Fill large gaps and grooves with cement leveling compound and patching compounds.
4. Remove any substrates that are not approved
5. Remove or encapsulate the old adhesive. Old adhesives should be scraped off until no roughness or buildup remains.
6. Clean the work area. Remove all debris, sweep, and vacuum the walls.

TOOLS

Acoustic Wall Pro can be cut in three different ways. And for this, we can use several main tools:

Tool	Accessories	Difficulty	Number of passes	Dirt	Conditions
Manual cutter	Rigid rule	Low	2	No	<input type="checkbox"/> Very sharp blade
Universal battery-powered scissors	None	Average	1	Minimum	<input type="checkbox"/> No cutting guide <input type="checkbox"/> Cut with the decorative side facing up
Drop saw with ruler	Saw rule	Low	1	Yeah	<input type="checkbox"/> Vacuum cleaner for dust <input type="checkbox"/> Minimum a 48-tooth disc

Required utensils:

- Marker or pencil
- Measuring tape

How to cut with each of the tools:

- Cutter and ruler
 1. Measure and mark the piece
 2. Place the rigid ruler on the marked measurement.
 3. Pass the cutter over the panel, applying pressure.
 4. Make another cut with the cutter to cut it completely.
 5. If the piece has not been completely cut, make one or two more cuts.

- Universal battery-powered scissors

1. Place the piece with the decorative part facing up.
2. Measure and mark the piece
3. Draw a thin tracing line along the marks made
4. Enter carefully with the universal scissors as they may initially deviate slightly due to inertia.
5. Follow the drawing line freehand.

□ Drop saw with ruler

1. Measure and mark the piece
2. Place the ruler on the marked measurement.
3. Position the circular saw and ensure that the cut passes through all the marked points.
4. Plug the vacuum cleaner into the circular saw
5. Make the cut according to the circular saw manufacturer's instructions.

THE INSTALLATION

□ **Measuring and cutting the panel:**

Measure and cut the **Acoustic Wall Pro panel** to the desired size using the tools indicated in the **Tools section** .

□ **Checking the fit:**

Verify that the panel fits correctly on the surface to be covered before proceeding with the installation.

INSTALLING THE VELCRO ON THE ACOUSTIC WALL PRO PANEL

Consumption: 1 roll of 12 m for 3 panels.

I. **Measuring and cutting the panel:**

Measure and cut the **Acoustic Wall Pro panel** to the desired size using the tools indicated in the **Tools section** .

II. **Checking the fit:**

Verify that the panel fits correctly on the surface to be covered before proceeding with the installation.

- III. **Attaching the first Velcro strip to the panel: Secure a Velcro strip to the initial longitudinal edge** of the panel, taking into account which side the installation begins on.
Ensure you leave approximately **10 mm of margin** at both the top and bottom for a clean finish.
- IV. **Attaching the second partially attached Velcro strip: On the opposite edge of the panel, attach another Velcro strip vertically, securing it only along half its width at 25 mm.**
The remaining half should be left free to facilitate connection with the next panel.
- V. **Removing the adhesive protector: Remove the protective film from the adhesive on both VELCRO strips .**
- VI. **Panel Installation:**
Press the panel firmly against the wall, making sure the **VELCRO strips** on the panel match those installed on the wall for a secure attachment.

VII. Installation of additional panels

Follow the same method as in the previous system:

Measure and cut the next panel to size, if necessary. Then, always place the VELCRO strip along the edge of the panel to connect it to the following panels; in this way, each panel will be attached with two half-length VELCRO strips.

Make sure not to leave gaps between the panels to achieve a continuous and uniform finish.

The last panel must have the entire tape on the edge in the same way as the first panel, but on the opposite edge.

You can use an extra strip of VELCRO in the center of the panels if you think it's convenient.

Pay special attention to designs with continuity so that the effect is not lost when cutting and the continuity is not lost.

The adhesive on VELCRO reaches 100% of its adhesion capacity after 24 hours.

The installation done with velcro gives us a Bs1d0 fire classification, allowing the product to be used in commercial or high-traffic areas.

INSTALLATION WITH MAPEFLEX MS45

Recommended for: Permanent installations where subsequent dismantling is not planned.

Consumption: 1 and a half cartridges for 2 panels.

I. **Surface preparation:**

Ensure the wall is dry, firm, and free of dust and grease. Wipe it with a dry cloth if necessary.

II. **Adhesive application:**

Apply MAPEFLEX MS45 beads linearly and longitudinally to the back of the Acoustic Wall Pro panel, leaving approximately 20 cm between each bead, at least 3 mm in diameter, in parallel lines.

III. **Panel placement:**

Press the panel against the surface, ensuring it is level. Apply even pressure for a few seconds to improve adhesion.

IV. **Curing time:**

The adhesive reaches its functional strength after 24 hours. Avoid touching or handling during this time.

V. **Installation of additional panels**

Measure and cut the next panel to size, if necessary.

Apply MAPEFLEX MS45 adhesive to the back of the panel. Press the panel firmly against the surface, ensuring it is level. Apply even pressure for a few seconds to improve adhesion.

INSTALLATION WITH STAPLES/NEEDLES

Recommended for: Quick installations on wood or fiberboard. Not recommended for very hard or uneven surfaces.

I. **Panel installation:**

Secure the panel to the surface using a powerful pneumatic or manual

stapler. Use staples/pins at least 15 mm long and galvanized to prevent corrosion.

II. **Staple/needle distribution:**

Place staples along the perimeter of the panel, leaving 50-60 cm between each fixing point.

III. **Finishing:**

If the panel design allows, you can camouflage the staples in dark areas or use paint of the same tone to disguise them.

IV. **Installation of additional panels**

Measure and cut the next panel to size, if necessary.

Place the panel on the surface and staple the panel in the appropriate location.

PRODUCTION MONITORING

Acoustic Wall Pro maintains a traceability system to provide the best technical support and ensure product quality. Therefore, you can find production and product information on the box labels. This information is necessary to properly address any product claims, as it will be requested by the quality department responsible for handling them. Without this information, the response may be delayed.