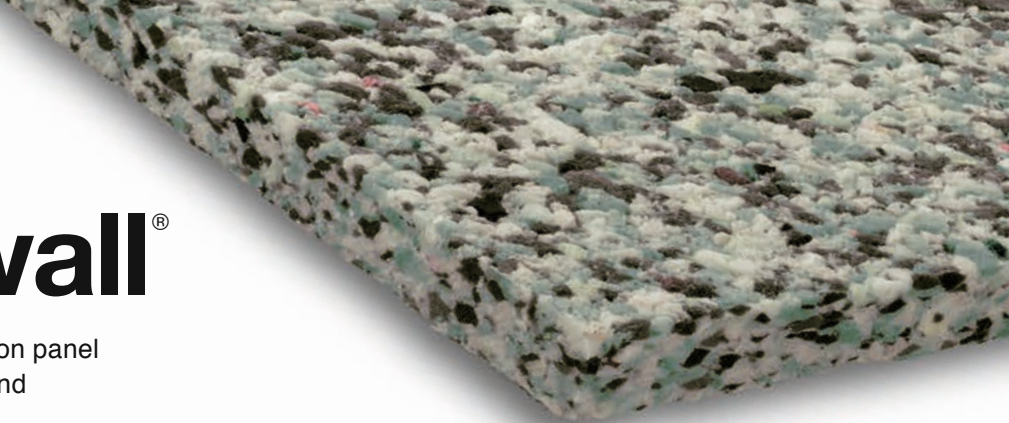




Easy to install acoustic insulation panel
for reduced airborne sound



Installation instructions

General information

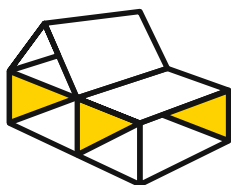
Make sure you have read these instructions properly and fully understood them before starting the installation.

Silentwall® insulation must always be used with plasterboard that is at least 12.5 mm thick.

Please use the required materials, as described below in this installation guide.

Collect your personal protective equipment before starting any work.

Applications



Thermal-acoustic insulation for internal walls.

Thermal-acoustic insulation on the inside of external walls (provided that a full damp survey has been carried out).

Against a party wall between two apartments (in the same building).

For use in buildings and houses that are correctly heated and ventilated, with low to average humidity. E.g. bedrooms, offices, dining rooms, etc.

Not suitable for use in damp rooms.

Walls higher than one storey need to be analysed separately.

Silentwall® is not designed for the insulation of ceilings or floors.

Before starting – Advice and Safety First

Silentwall® panels must always be stored horizontally indoors.

Do not store any items with flammable contents on or alongside Silentwall® panels. Furthermore, Silentwall® panels must not be stored near to any heat source (e.g. radiators, ovens, open fires, chimney shafts, non-compliant electrical installations, etc.).

Make sure you remove all potential combustion points and that the rooms are well ventilated before, during and after installation.

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Installation instructions

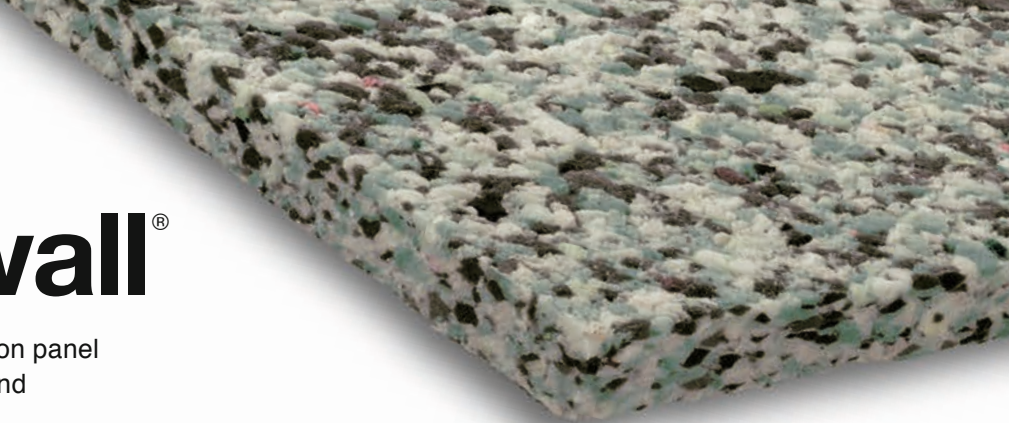
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Do not smoke, drink or eat inside the installation area.

The adhesive should only be used in areas that are totally free of naked flames and heat sources. Electric circuits must be properly protected and meet current standards. When pouring the product into another container always use an earth connection.

When handling the adhesive, in addition to the recommended PPE, you should also wear antistatic shoes and clothing, and make sure the floors are conductive.

The surface to be coated must be dry and free of dust.

Silentwall® panels must not be installed in a room with existing damp problems (e.g. cellars etc.), unless the sources of damp have been treated prior to installing the product to prevent the growth of mould.

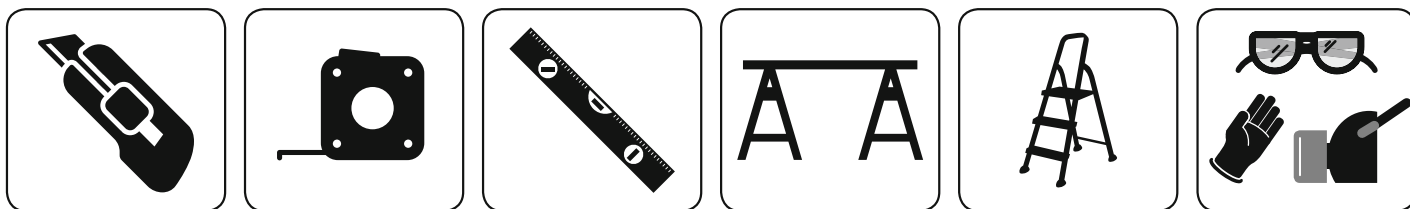
The surface must be of good quality (no parts falling off, no wallpaper, wall panels etc. or any defects). If in doubt about the quality of the surface, first carry out some adhesion tests before you start.

Make allowances for electrical cables or any supports for installed items, for example for radiators. Decide first where these are located. The sheets must be completely coated in adhesive.

All suspended items (e.g. heating system components, such as radiators) must be attached to a sufficiently solid supporting wall.

Materials required

For Silentwall® :



For plasterboard sheets:

Refer to the manufacturer's literature for hanging, storage, cutting, handling and transportation instructions.

Recticel adhesive for acoustic panels:

Refer to the manufacturer's literature for application, storage, handling and transportation instructions.

Plasterboard joint tape, filler & finisher:

Refer to the manufacturer's literature for instructions on how to finish plasterboard.

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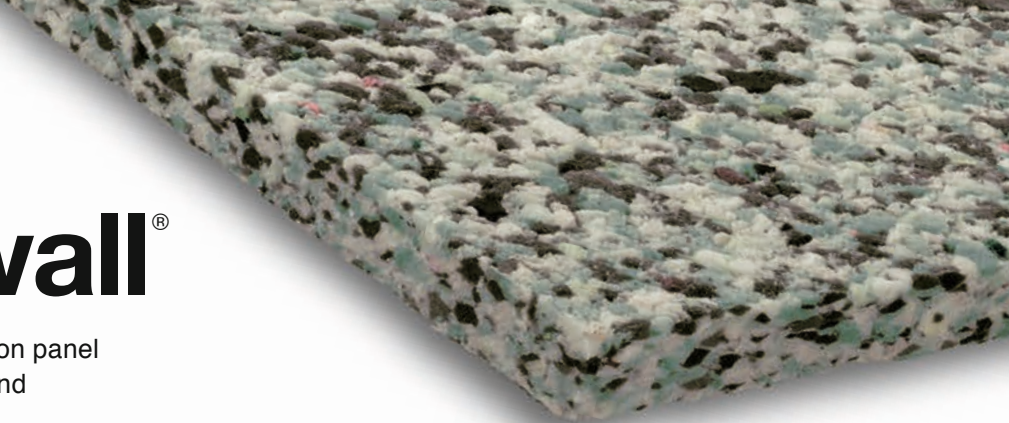
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Installation

Important: adhesive must always be applied in a well-ventilated, and ideally heated, area. Installation on walls is carried out using the contact adhesive principle, without any mechanical fixing for an optimum sound insulation effect.

Check the position of the panels before applying adhesive. The glue takes hold immediately and definitively (it is impossible to reposition after the initial contact).

- ❶ We recommend using a cutter to cut Silentwall® panels.
- ❷ Silentwall® panels can be placed either horizontally or vertically.
- ❸ We do not recommend using pieces smaller than 10 cm.
- ❹ Always use Recticel adhesive to attach Silentwall® panels to the supporting wall. For application instructions, see P.5.
- ❺ Do not glue the edges of the Silentwall® panels together, but make sure they lie flush against each other. The Silentwall® panels must cover the whole of the wall and touch the ceiling, the floor and the adjoining walls for the best possible sound insulation results
- ❻ Once the Silentwall® panels are installed, you can continue and hang the plasterboard sheets. Follow the plasterboard manufacturer's hanging instructions for correct installation and handling. Always use Recticel adhesive for acoustic panels and for applying plasterboard sheets on to Silentwall® acoustic panels. The plasterboard sheets need to be about 2 to 3 mm from the floor, the adjoining walls and the ceiling, and the gap must be filled in with a suitable mastic or strip.
- ❼ For finishing the joints, refer to the plasterboard manufacturer's documentation. Finishing the plasterboards is necessary to meet the technical and performance requirements described in the Silentwall® technical data-sheet.

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Installation instructions

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How to apply the adhesive

Important: Make sure you remove all potential sources of combustion and that the rooms are well ventilated before, during and after installation.
Collect the indicated personal protective equipment before starting any work.



- 1 Installation is relatively simple, using the contact adhesion principle. Always use the Recticel adhesive for acoustic panels.
- 2 Mix the adhesive before use to be sure it is consistent throughout.
- 3 The adhesive is best applied using a short-haired roller. We recommend using 1 litre of adhesive per m², which is 0.25 litres/m² on each side.
- 4 Apply adhesive on the first supporting wall (figure 1) then to one side of the Silentwall® (Figure 2). Wait 10 to 30 minutes, depending on the temperature and humidity in the room, until the adhesive no longer sticks to your fingers.
- 5 Place the Silentwall® on the wall (press it on and hold it for 30 seconds).
- 6 Apply the adhesive to the plasterboard (Figure 4) and the visible side of the Silentwall® (Figure 5).
- 7 Wait 10 to 30 minutes, depending on the temperature and humidity in the room. Then place the plasterboard onto the Silentwall®, until the adhesive no longer sticks to your fingers (press it on and hold it for 30 seconds). The plasterboard sheets need to be about 2 to 3 mm from the floor, the adjoining walls and the ceiling, and the gap must be filled in with a suitable mastic or strip.
- 8 Finish the plasterboard joints as required by the plasterboard manufacturer.

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Installation instructions

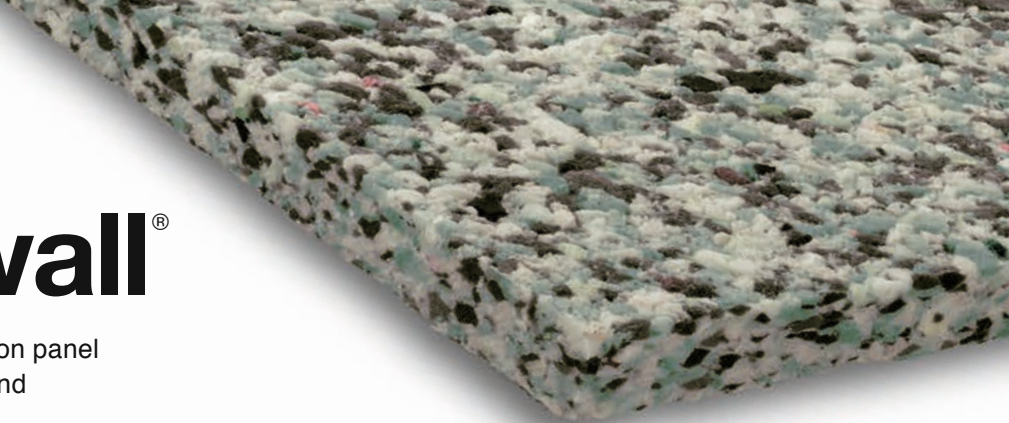
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Warranties

Recticel Insulation guarantees that Recticel Insulation products meet the quality standards for materials and manufacture, and match in full the specifications used by Recticel Insulation up to the time of delivery to the client. The technical characteristics are described in the technical data sheet for Silentwall®.

Product manufactured from recycled materials. Composition and visual appearance may vary, without affecting performance.

Recticel's warranty will only remain valid provided that installation is completed using Recticel adhesive to install the Silentwall® and plasterboard panels. If another adhesive than the one prescribed by Recticel Insulation is used, Recticel Insulation cannot guarantee the product's performance or compatibility after the installation. In this case, Recticel Insulation will not be held responsible for the risks associated with this type of use.

The warranty will only remain valid provided installation is completed according to the installation instructions provided and according to the specifications in the technical data sheet. If used in any other way (for example, without finishing the plasterboard, installation as floor insulation,...), then Recticel Insulation will not guarantee the product's performance or compatibility after installation. In this case, Recticel Insulation will not be held responsible for the risks associated with this type of use.

In the event that Silentwall® acoustic panels supplied by Recticel Insulation do not comply with the specification, Recticel Insulation will only be required to replace the Silentwall® products with identical products, unless the applicable legislation requires otherwise.

This warranty will not apply in the event of faults or damage to the products, or in the case of direct, indirect or consequential injuries that result from incorrect installation or maintenance, accidents, "non-compliant" inappropriate use or application, incorrect repairs or modifications, or due to negligence.

Important

The customer is responsible for ensuring the safety of the final product once in use, and its compliance with all current applicable national and international laws, regulations, guidelines and requirements.

It is advisable to use Silentwall® in rooms and houses with low or average humidity, with reference to UTD 43.3 concerning the classification of rooms according to their humidity and indoor climate (decree of 24 March 1982 with reference to regulations concerning the ventilation of dwellings).