

REFELT

INSTALLATION MANUAL



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ReFelt provides acoustic PET Felt panels that are made from recycled plastic bottles. It is a soft yet strong and durable material. Offering incredible sound-dampening qualities and aesthetically many possibilities.

INSTALLATION

Every application of the ReFelt PET Felt panels requires special attention and solutions. The PET Felt panels are easy to install using a polymer sealant or brad nails, depending on the wall lining and project requirements.

HANDLING

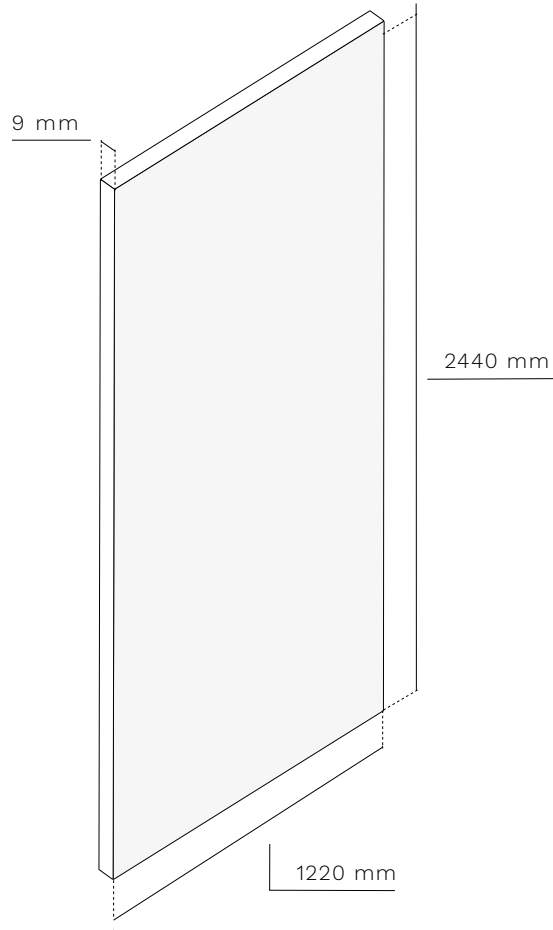
The PET Felt panels should be handled carefully during transportation and unloading. The dimensions and flexibility of a single sheet usually requires two people to lift it. This is necessary to avoid the deformation of the material.

COLOURS

Slight color deviations may occur since the ReFelt panels are made from recycled fibers. It is recommended to use the same batch per project. When placing an order, please, take a margin into account for unforeseen changes or additions to a design plan.

MEASUREMENTS

The PET Felt panels are 2440 mm x 1220 mm x 9 mm gross size. One panel weighs approximately 5,7 kg and has a density of 1,9 kg/m²



BEFORE INSTALLATION



We would like to emphasize that it is important to carefully check the entire order before it is processed or installed.



For applications on a large surface, the PET Felt panels are best used in a tessellating pattern with smaller dimensions. This ensures an even color surface.



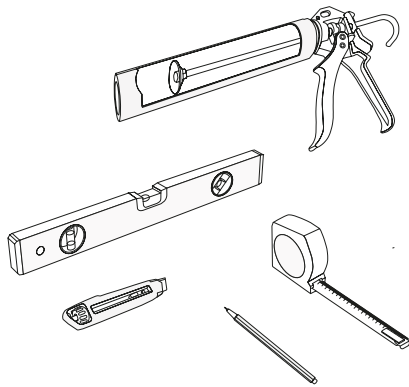
The panels have a frontside and a backside since the fibers are differently orientated on both sides, the nap direction. Keep in mind to apply the panels in the same direction and use the same side during the installation to avoid alterations in appearance.



To ensure all sides of the panel have right angles, the panels always have to be cut. This adaptation will result in net dimensions of (maximum) 2400 mm x 1200 mm. Always keep the cutting loss in mind.

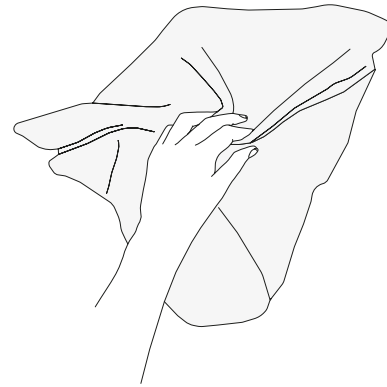
SEALANT

When installing PET Felt, it is advisable to use a polymer adhesive like Bison Poly Max High Tack. This SMP sealant is available at most hardware stores. The advantage of a polymer glue is that you can apply it on large areas and still correct the placement since the adhesive does not dry immediately.



Suggested tools

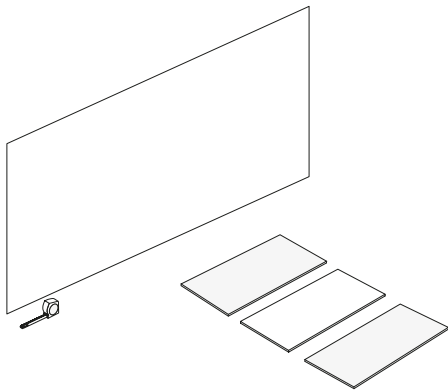
1



Prepare the surface

Ensure that the surface is flat and clean.

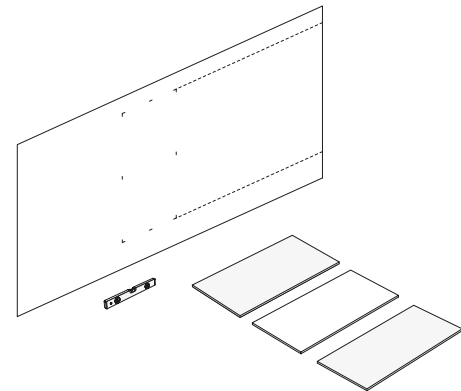
2



Arrange *Optional

Determine the pattern of colour sequence to prevent an incorrect installation.

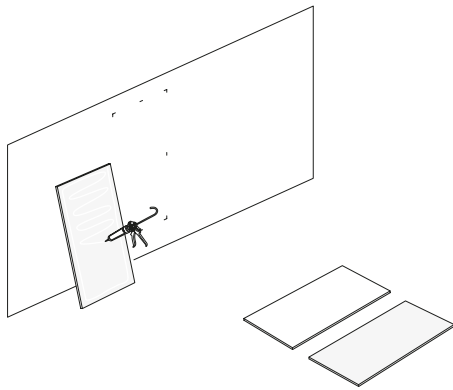
3



Mark out

It may be useful to put a number of reference markings on the wall indicating the final alignment of the panels.

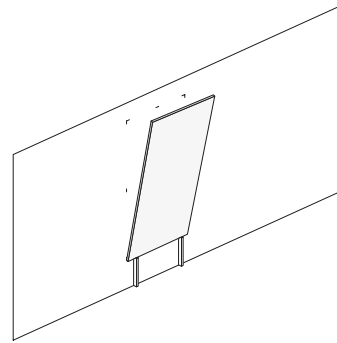
INSTALLATION



4

Apply glue

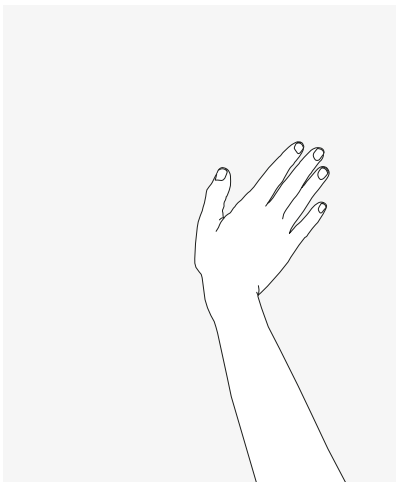
Apply the adhesive to the panel, following the adhesive manufacturer instructions. Distribute the glue evenly.



5

Place panel

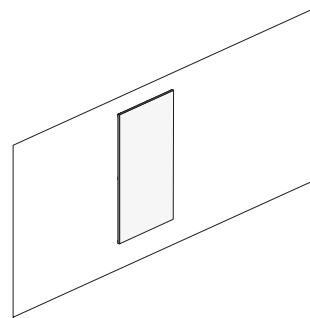
Start applying the panel from the bottom. It can be useful to use spacers to ensure a leveled placement.



6

Press

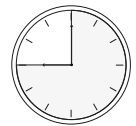
Press the panel firmly against the surface, make sure that the corners and edges are properly attached.



7

Cure Time


Allow the adhesive to cure. The curing time may vary, follow the adhesive manufacturer recommendations.

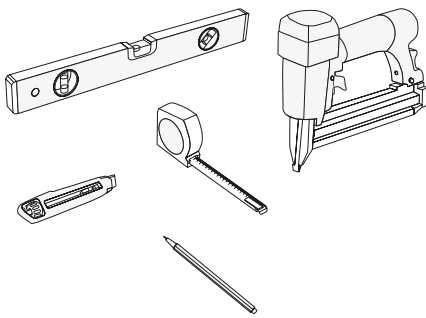


INSTALLATION

Brad nails

Brad nails can be applied by using a brad nailer, an equivalent pneumatic or cordless nailer tool. Using a brad nailer is the quickest way to instal the PET Felt panels. The nails will not be apparent because they disappear between the fibers. However, if you look closely, small holes will still be visible.

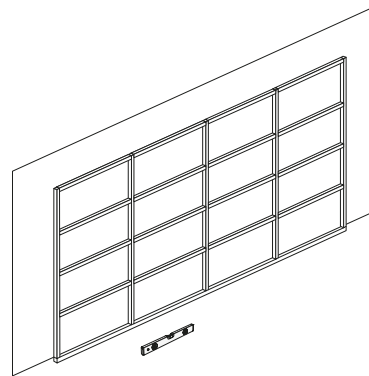
 It is not necessary to use additional adhesive in combination with the brad nails. This method also makes it easy to dismantle the panels.



Suggested tools

This installation method can be applied on any surface that is suitable for brad nails.

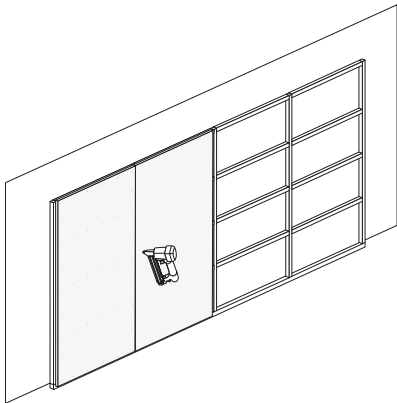
1



Framework

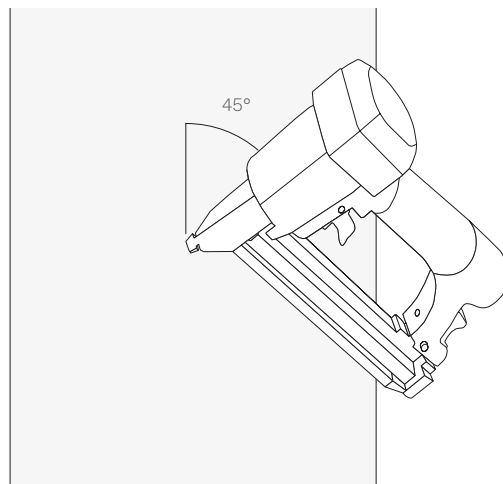
Prepare a wooden framework and make sure the frame is levelled.

2



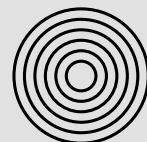
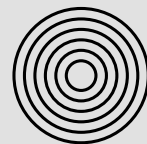
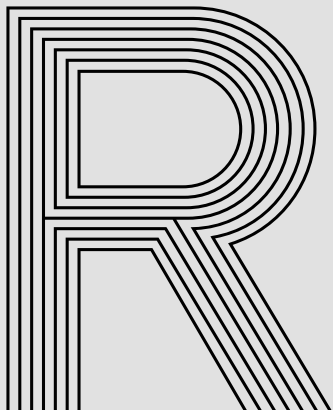
Apply panel

The pressure of a pneumatic nailer tool must not be set too high, otherwise the staples or nails can go through the material.



Angle

For a better grip of the headless nail, the nails can be applied at an angle of approximately 45°.



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