Installation Guide

Acoustic Ceiling Panels

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GRAYKING
INTERIOR SUPPLY

Preface

Ceiling Preparation

Before beginning the installation process, ensure that the ceiling is structurally sound, clean (free of any dust, flaking paint, loose debris or grime), dry and free of imperfections (cracks, holes, etc.)

Note: All panels are labelled with a sticker indicating the back of the panel.

After preparing the ceiling for installation, dry fit the panels to the ceiling. Measure the panels against the ceiling and ensure they are straight and line up together accordingly. If required, use the utility knife and the straight edge to accurately cut the panels to the appropriate length, and cut out all penetrations.

Wear gloves at all times throughout the installation process.

Printed Panels

Ensure that all Acoufelt QuietPrint™ Printed Panels are installed at the correct orientation as provided by the Acoufelt print and installation plan to avoid any variation in pattern that may impact the overall look and feel of the finished installation.

DISCLAIMER: Acoufelt strives to fulfil the needs of their customers by producing the highest quality felt products. However due to the fine, fibrous and textural nature of the product, slight visual imperfections may be seen when viewing the product from less than 1 to 1.5 meters. These slight visual imperfections however, are within normal industry manufacturing tolerances. When installing QuietPrint™ Printed Panels, we recommend that you align the panels to their closest match at eye level, and allow for +/- 5mm Alignment Tolerance.

Adhesive Method

Tools & materials required:

- Clean gloves
- Utility knife
- Straight edge
- Measuring tape
- Ladder/scaffolding
- Caulking gun
- J-Roller
- Construction adhesive
- Spray adhesive

Preparation

1. Wear clean white gloves throughout the installation process. Use matching caulk to fill in any unwanted cracks in joints or between panels and ceilings.
2. After preparing the surface for installation, dry fit (without adhesive) the panels. Measure the panels against the surface and ensure they are straight and line up. If required, use the utility knife and the straight edge to accurately cut the panels to the appropriate dimensions.
3. Trim off an excess material around joins, pipes, vents or lighting.

Applying construction adhesive

- Using the caulking gun and construction adhesive, apply the adhesive around the inner edge of the ceiling panel. To avoid adhesive flowing through the joins when the panels are installed, apply the adhesive two finger widths away from the corner/ join, then apply adhesive in a zig zag pattern across the centre of the panel, (as shown in fig. a).

Applying spray adhesive

- Apply the spray adhesive around the inner edge of the panel, 50-100mm widths away from the panel perimeter (as shown in fg. b). Wait 5-10 minutes for the adhesive to be become tacky before installing the panels.

Installation

4. Keeping the panel as straight as possible, press the underside of the panel onto the ceiling surface. Apply pressure to panels when mounting to ensure the seams are tight, otherwise we recommend leaving a reveal between panels.
5. Apply even pressure with the roller and firmly press all areas of the panel to the surface. If required, hold the panels in place for a few minutes using poles or scaffolding.
6. Wipe away any leaked or excess adhesive from the panel before beginning the adjoining panel. Avoid any adhesive making contact with face of the panel.
7. Trim off any excess material around joins, pipes, sockets etc.

Fig. a

Panel installation area

Construction adhesive

Fig. b

Panel installation area

Spray adhesive

Disc Magnet Method

Tools required:

- Clean gloves
- Utility knife
- Straight edge
- Measuring tape
- Adhesive (Acoufelt recommends using H B Fuller TOOLBOX MS or Soudal adhesive for attaching MDF spacers)

Attachment options supplied with panel

- MDF spacers with magnet
- Metal mounting plates (supplied attached to panel)

Steps

1. Panels arrive with metal mounting plates attached. Measure the placement of the metal plates on the panel, and mark out the corresponding location on the ceiling surface.

2. Using the recommended adhesive, place a 3mm zigzag bead over the back side of the MDF spacer with magnet piece. Press onto ceiling at the marked location.
   - Leave the spacer in place on the ceiling for approximately 12 hours before installing the acoustic panels or as recommended by the manufacturer (longer curing time may be required in cold weather conditions).

3. Match plates to the magnets when installing panels to the ceiling. These should click into place if measured out correctly.

Metal Mounting Plates

Back of panel

Disc Magnet

Metal mounting plate

Pot Magnet Method for 20mm airgap

Tools required:

- Clean gloves
- Utility knife
- Straight edge
- Measuring tape
- Adhesive (Acoufelt recommends using H B Fuller TOOLBOX MS or Soudal adhesive for attaching MDF spacers)

Attachment options supplied with panel

- MDF spacers with magnet
- Metal mounting plates or channel mounts (supplied attached to panel)

Steps

1. Panels arrive with metal plates attached. Measure the placement of the metal plates on the panel, and mark out the corresponding location on the ceiling surface.

2. Using the recommended adhesive, place a 3mm zigzag bead over the back side of the MDF spacer with magnet piece. Press onto ceiling at the marked location.
   - **Leave the spacer in place on the ceiling for approximately 12 hours before installing the acoustic panels or as recommended by the manufacturer (longer curing time may be required in cold weather conditions).**

3. Match plates to the magnets when installing panels to the ceiling. These should click into place if measured out correctly.

Metal Mounting Plates

Back of panel

Metal mounting plate

Pot Magnet

Channel Mount Method for 20mm airgap

Tools required:

- Clean gloves
- Utility knife
- Straight edge
- Measuring tape
- Adhesive (Acoufelt recommends using H B Fuller TOOLBOX MS or Soudal adhesive for attaching MDF spacers)

Attachment options supplied with panel

- MDF spacers with metal plates
- Channel mounts with pot magnets (supplied attached to panel)

Steps

1. Panels arrive with channel mounts attached. Measure the placement of the magnets on the panel, and mark out the corresponding location on the ceiling surface.

2. Using the recommended adhesive, place a 3mm zigzag bead over the back side of the MDF spacer with metal plate. Press onto ceiling at the marked location.

   - Leave the spacer in place on the ceiling for approximately 12 hours before installing the acoustic panels or as recommended by the manufacturer (longer curing time may be required in cold weather conditions).

3. Match plates to the magnets when installing panels to the ceiling. These should click into place if measured out correctly.

Channel Mount

Back of panel

Magnets

Pot Magnet

HOLD 14kg

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