



Installation Guide

Acoustic Carpet Tiles



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Preface

Carpet Tiles

Acoustic management involves absorbing unwanted sound from all surfaces – floor, wall and ceiling. We call this the Acoustic FWC Philosophy. The starting point is the floor. Being lightweight, low-maintenance, breathable and easy to cut and install, Acoufelt acoustic carpet tiles are the perfect floor covering for working, learning and living environments.

Available in a wide range of colours and collections, Acoufelt carpet tiles remove the compromise between acoustics and aesthetics, allowing for design that caters to both the ears and the eyes.

Floor Preparation

Acoufelt carpet tiles are appropriate for application on dry floor surfaces and stairs. Installation is not suitable for wet surfaces, walls or ceiling applications. Please take care in measuring the area of the floor surface prior to install, taking expected tile patterns and areas of high foot traffic into consideration for tile placement. It may also be important to take care in noting the position of electric power cables, cold and hot water pipes, air-conditioning and/or heating units, as well as any fixtures and structural elements that may interfere with the install.

The floor surface should be prepared as recommended in AS/NZS 2455.1:2007. It is imperative to ensure the floor surface is properly cured, level, rigid, clean, dry and free from dust. Acoufelt also recommends priming porous subfloors, see page 5 for priming recommendations.

As a forewarning, Acoufelt carpet tiles have been designed and manufactured for dimensional stability, meaning they will not lose their shape. This may have consequences for laying tiles too close together or too far apart. In any case it is always better to measure and plan out the laying of tiles prior to installation.

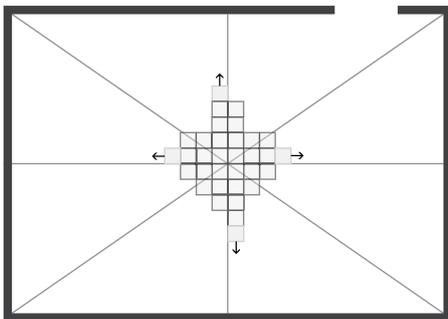
The airflow, breathable nature of Acoufelt carpet tiles means that moisture can pass freely through the tile without causing the pooling of water, resulting in poor adhesion and the build-up of harmful bacteria.

Tile Installation Steps

These installation practices have been written in accordance with AS/NZS 2455.2:2007.

Step 1: Measure

Measure the surface starting from the centre of the room. The central point of a room will be found by running two diagonal lines from the corners of a room and marking where they intersect. From this central point one will also be able to draw a vertical and horizontal line to find the centre of the opposing four walls of a room.



Step 2: Apply the adhesive

See page 5 of this carpet tile install guide for recommended carpet tile adhesives.

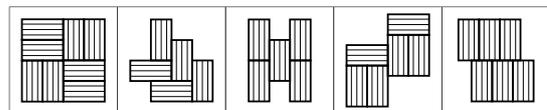
Prime the subfloor in accordance with subfloor preparation in AS/NZS 2455.1. Acoufelt recommends spreading the primer and adhesive with a V1 notch trowel, however a roller, brush or spray can also be used in accordance with the adhesive manufacturer's recommendation. Be sure to cover the floor surface evenly, up to the skirting of the walls. Once the adhesive has been spread, be sure to keep the area free from all traffic. Allow the adhesive to 'tack' before laying down the tile. This will occur when the adhesive begins to dry and turns clear in appearance. If the tile is placed onto a surface where the adhesive has dried

completely, this will secure the tile to the floor with moderate bond. For a stronger bond, the tile can be laid prior to the adhesive completely drying.

Step 3: Arrange and lay the carpet tiles

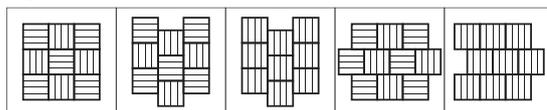
Acoufelt carpet tiles can be laid using a variety of installation methods depending on tile shape, room requirements and aesthetic demands. Please view the specification document pertaining to the particular product for the applicable installation methods. For one-directional or multi-directional installation, ensure tiles are laid in the correct orientation by checking the direction of the arrow located on the back of every Acoufelt carpet tile. It may be beneficial to plan and lay out the desired pattern installation prior to laying the adhesive.

Plank



Quarter Turn Herringbone Vertical Plank Half-Lap Horizontal Brick

Square



Quarter Turn Vertical Stair Step Vertical Horizontal Stair Step Horizontal Brick

Tile positioning should be prepared as per the requirements set out in AS/NZS 2455:2.2007. Acoufelt recommends using the Pyramid method of installation for laying carpet tiles. This method requires starting from the central point of a room, and moving outwards toward the peripheral walls. Tiles should be laid and butted together by hand. Mechanical methods of butting tiles together may create tension and cause uplifting or 'peaking' at the joints.

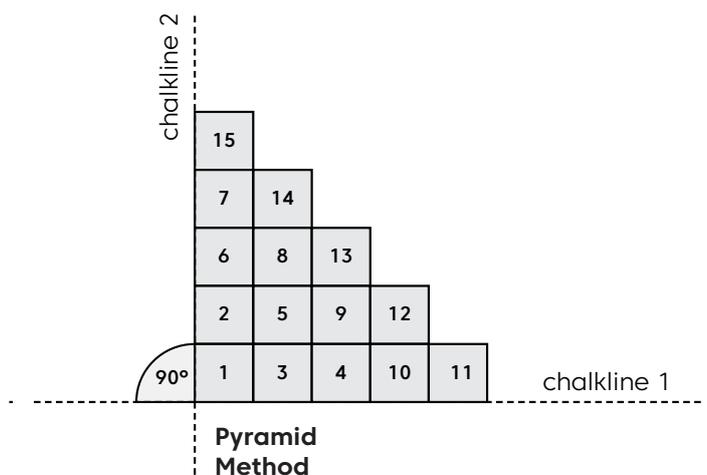
Measurement and laying of tiles prior to installation will alleviate chances of 'peaking' due to tiles being laid and butted too closely together, as well as visual gaps appearing between tiles if laid too far apart. A simple tape measure can be used prior to and throughout the installation process to maintain the consistent and symmetrical laying of tiles.

Step 4: Completion

On completion of installing the carpet tiles, please take the following steps:

- Remove excess adhesive and loose pile
- Vacuum the entire floor area
- Ensure all cut pieces are firmly fixed into position
- Ensure the installer conducts a visual test of the installation appearance before leaving the site

If pattern imperfections occur, tiles will need to be uplifted and relaid.

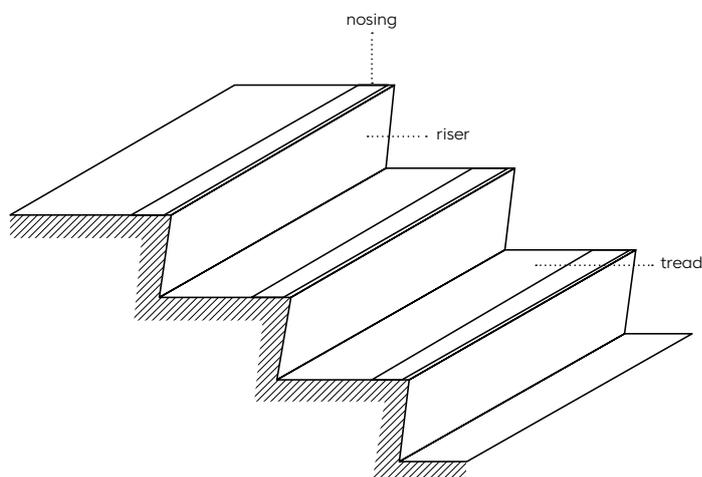


Picture Frame Installations

For Picture Frame installations, non-wet slab adhesive lines must have a minimum width of 30cm. The lines must also be centred under the tile joints with a minimum of 10cm either side of the tile joints.

Installation on stairs

Acoufelt carpet tiles can also be used in stair applications. The easiest and most efficient method for stair application is through measuring the size and shape of the stair's riser and tread, and cutting the carpet tile to fit accordingly. The surface of riser and stair tread must not be primed, unless recommended by the adhesive manufacturer. When using a recommended adhesive, as listed on page 7, ensure this is applied to the entire installation area. The junction of each stair will need to be covered with the appropriate 'Nosing' for both function, safety and aesthetics. See AS 1428:1-2009 for guidelines on requirements around 'Nosing'. Once each individual piece is cut, carpet tiles can be adhered to the riser and treat in accordance with the adhesive recommendations and laying methods listed on the previous page of this guide.



A photograph of a person lying on their stomach on a dark grey carpet, reading an open book. The person is wearing a maroon sweater and blue shorts. The book is open, and the person's hands are visible holding the pages.

Recommendations

The adhesives listed below are recommended for the installation of Acoufelt carpet tiles. Please check against manufacturer guidelines for recommended install and warranty information prior to use.

Recommended Adhesives

- CHAPCO® Safe-Set 2
- Holdfast 777
- Gekko G57 Spray Tackifier
- Mapei 800
- MJS Max Bond 2009
- Nexus 840
- Nexus 848 (for Wet/Green Slabs)
NB: Refer to Adhesive manufacturer for instructions on the appropriate method of use.
- Polymer 999 Prime n tac
- RLA GS300 Green Solutions
- RLA GS444 Pressure Sensitive Adhesive
- Roberts Adhesive 656

Recommended Primers

Acoufelt recommends that a floor primer such as Roberts 370 or Polymer 6000 is applied to the floor prior to laying the adhesive.

Recommended for laying adhesive

- V1 Notched Trowel
1.6mm deep x 1.6mm wide

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