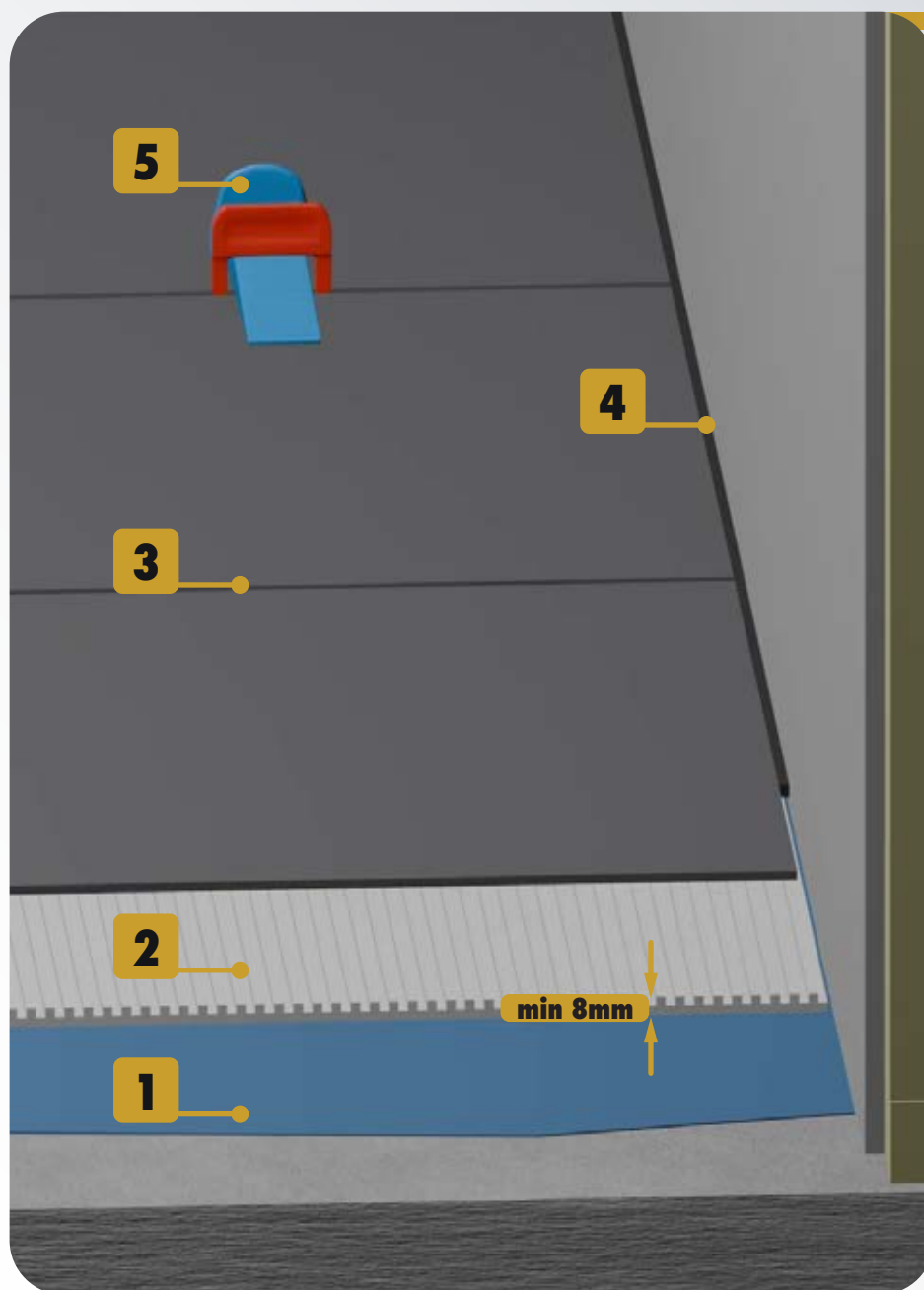


TILING APPLICATION FOR IMPACT SOUND REDUCTION

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1 Primer (optional)

PR-1 Blue

Impervious
Substrate Primer



2 Tile Adhesive

ADH-77 Soundflex

Acoustic Tile Adhesive



ADH-77 Soundflex Trowel

15mm Modified for
Soundproofing



3 Grout

Spectrum Futura

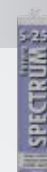
Lightweight
Coloured Grout



4 Silicone

Spectrum Futura S-25

Sanitary Grade
Acetoxy Silicone



5 Tile Levelling

EZE-Clip

Tile Laying
System



Installation Requirements

Bed Thickness

Min 8mm of continuous bed after
tiles are installed

Suitable Tiles

Only full body porcelain

System Performance (CSIRO test)

$$L_{n,w}(C_1) = 61(1) \text{ dB}$$

This document provides general recommendations only and is designed to be used in combination with relevant Product Data Sheets, standards and industry practices. As each project differs in requirements and site conditions, specific recommendations may vary from the information provided here. For recommendations related to a specific project, please, contact ACT Australia Pty Ltd.



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INFORMATION

SCOPE

This specification outlines general guides for the materials selection, preparation, application, and installation for the tiling systems for impact sound reduction in multi-story residential buildings.

STANDARDS & CODES

All work shall comply with the latest editions of the following standards and documents:

- AS 3740 – Waterproofing of domestic wet areas
- AS 3958.1 – Ceramic tiles – Guide to the installation of ceramic tiles
- AS 4858 – Wet area membranes
- National Construction Code (NCC)
- Building Code of Australia (BCA)
- Any other relevant building codes
- Relevant Product Data Sheets and installation guides

INSTALLATION GUIDE

1 SUBSTRATE PREPARATION

Suitable substrates for this application are: concrete, sand & cement screeds or over existing tiles.

Ensure substrate is clean, dry, and free from dust, oil, and contaminants. Surface must be structurally sound.

If in wet area, waterproof with **WP-1 PINK**. Ensure all dust is removed prior to spreading **ADH-77**. Under tile waterproofing membranes must be fully cured prior to tiling.

Note! All existing tile substrates must be primed using **PR-1** impervious substrate primer.

For concrete or sand & cement screeds in normal circumstances no priming is required as **ADH-77** has unique **Infused Primer Technology** (IPT).

To test substrate, sponge liberal amounts of water onto the substrate and ensure water absorption is taking place. If so, then only sponge down with clean water prior to spreading adhesive. If water is beading or no absorption is taking place, prime with PR-1 impervious primer.

Follow application instructions on packaging and PDS.

PR-1 Blue
Impervious
Substrate Primer



WP-1 PINK
Class III SBR
Waterproofing
Membrane



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INSTALLATION GUIDE

2 TILE INSTALLATION

Important!

Application of **ADH-77** Tile Adhesive **must** only be done with **ADH-77 15mm Trowel** that is specifically modified to ensure continuous tile adhesive bed of **minimum 8mm** beneath the tiles after tiles are installed.

A **minimum 8mm** continuous adhesive bed beneath the tile must be achieved for acoustic sound control. During application, hold the trowel at min **60°** to the substrate to maximise bed thickness.

Place tile into fresh **ADH-77** Soundflex by pushing firmly into place with slight sideways motion. Ensure **ADH-77** has not skinned over prior to placing tile.

Coverage:

Approximately 1.8m² per 13kg bag for soundproofing application.

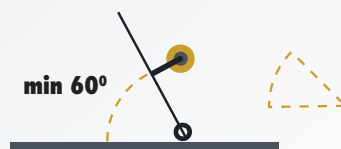
For a perfect tiled surface finish, use ACT's patented **EZE-Clip** Tile Laying System.

Follow application instructions on packaging and PDS.

ADH-77 Soundflex
Acoustic Tile Adhesive



ADH-77 Soundflex Trowel
15mm Modified for
Soundproofing



EZE-Clip
Tile Laying
System



3 GROUT & SILICONE

Choose from a wide range of colours of **Spectrum Futura** Lightweight Coloured Grout suitable for joints from 1mm to 30mm wide.

Follow application instructions on packaging and PDS.

Select a colour of **Spectrum Futura S-25** silicone to match the grout for all movement and perimeter joints.

Spectrum Futura
Lightweight
Coloured Grout



Spectrum Futura S-25
Sanitary Grade
Acetoxy Silicone



SYSTEM WARRANTY

ACT Australia Pty Ltd guarantee this system for 15 years when installation is done in accordance with the standards and codes listed in this document, and full installation system has been followed.

This guarantee applies for the time of application and covers only the cost of replacement materials of the original installation only when the product is proven and acknowledged to be faulty.

