

ACT Installation System

SOUNDPROOFING APPLICATION



DESCRIPTION

ADH-77 is a one-part acoustic tile adhesive which exceeds the acoustic requirements of Building Code of Australia (**BCA**); however, the following installation guide must be followed fully in conjunction with ACT product system.



**ACT Australia
Product System
Technical Data**

SYSTEM ELEMENTS

- ADH-77 SoundFlex Adhesive
- ADH-77 Soundflex 15mm Trowel
- EZE-Clip Tile Laying System
- Spectrum Futura Lightweight Coloured Grout
- Spectrum Futura S-25 Silicone

APPLICATION

Mix **ADH-77 Soundflex** with 5.5L of clean drinking water and leave to rest for 5mins before re-stirring, the adhesive is now ready for use. Only apply mixed **ADH-77 Soundflex** adhesive to the prepared substrate using the specially modified **ADH-77 Soundflex** 15mm notch trowel.

A **minimum 8mm** continuous adhesive bed beneath the tile must be achieved for acoustic sound control. 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.

Only use **ACT EZE-CLIP** tile laying system to ensure a perfect tiled finish.

After a minimum of 8hrs (ideally 24+ hours) at 23c and 50% RH and ensuring the tiles are set remove the **EZE-CLIP** system by simply knocking off clips along the grout joint line direction with a firm tap of a rubber mallet.

SUBSTRATE

Suitable substrates for **ADH-77 Soundproof** system are; concrete, sand & cement screeds or over existing tiles.

Note! Existing tiles **MUST** be primed using PR-1 Primer.

All substrates to be tiled must be clean, dry, free from dust, wax, oil, grease, laitance, curing compounds, paints (inc overspray), coatings and all contaminants which may cause adhesion failure.

If in wet area, waterproof with **WP-1 Pink**. Ensure all dust is removed prior to spreading **ADH-77. WP-1 Pink** or ACT Australia approved under tile waterproofing membranes must be fully cured prior to tiling.

Concrete must be cured for 7 days. Sand and cement screeds and renders must be cured for 24 hours. If in doubt with any of above, please, contact **ACT Australia Technical Services**.

PRIMING

All existing tile substrates must be primed using **PR-1 impervious 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.

GROUTING

Only use **ACT Spectrum Futura lightweight coloured grout**. Follow the written instructions on packaging. Ensure grout joints are clean of ADH-77 residue prior to application of grout.

MOVEMENT & PERIMETER JOINTS

Only use **ACT Spectrum Futura S-25 Silicone** to install movement joints. They must be incorporated within the tiling system in accordance with AS3958.1-2007. Ensure movement joints are free of all adhesive and grout residue.

Note!

As with all soundproofing applications, conduct independent testing in-situ to establish suitability of purpose. Results can vary depending on application, substrate etc.

Contact **ACT Australia Technical Services** for further information and advice.