

DESCRIPTION

SP-MAT is an acoustic soundproof underlay. Specifically designed for the reduction of impact sound to suit both concrete and timber substrates.

SP-MAT has been specifically engineered to meet the acoustical requirements of specifiers for all common construction and installation methods. For use in high-rise units, multi-storey town houses and homes. SP-MAT can be used in new and old buildings requiring impact sound insulation. SP-MAT can be used for the installation of ceramic floors, timber, laminate, carpet, plank vinyl, and over Masonite.

FEATURES & BENEFITS

- Australian made
- Eco-friendly
- Designed for use with standard installation techniques
- Suited to high rise, multi-storey town houses, commercial and domestic usage.
- Direct stick applications
- Can be used in conjunction with under floor heating systems
- Outstanding compressive strength and load bearing capacity
- Has excellent temperature range
- Resistant to mould and mildew
- Permanently resilient

SUBSTRATE PREPARATION

All substrates must be clean, dry, free from dust, wax, grease, oil, laitance, curing compounds and release agents.

Flexible building boards such as F/C sheeting and plasterboard must be fixed in accordance with the manufacturers written instructions.

Excessive dust should be removed by sponging down substrate with clean water before adhering **SP-MAT**.

ACT Australia **SCR-100 Pre-blended Screed** must be allowed to cure for a minimum of 24 hours.

Generic sand and cement screed must be allowed to cure for a minimum of 7 days.

Concrete must be allowed to cure for a minimum of 28 days.

APPLICATION

Apply **ADH-33, ADH-44, ADH-55, ADH-66 or ADH-77** with a minimum 6mm notch trowel.

Roll mat into wet (un-skinned) adhesive; ensure the mat is pushed into adhesive by using a large wooden float or roller to ensure no voids are created.

Acoustic results will vary from site to site due to a number of factors including; floor/ceiling configuration, concrete thickness and density etc. It is recommended individual site acoustic testing is carried out to ensure product meets client requirements.

SAFETY DIRECTIONS

Each roll of SP-MAT weighs 45kg. Practice good manual handling techniques & use a trolley when lifting and moving rolls.

SUITABLE FOR

- Ceramic tiles
- Timbers
- Laminates
- Vinyl
- Carpets
- Wet areas (when installed with ACT WP-1 or ACT approved waterproofing membrane)
- New & old buildings
- Can be installed over concrete and timber substrates.

COVERAGE

One roll of SP-MAT 3mm will cover 18m²

One roll of SP-MAT 5mm will cover 12m²

PACKAGING

SP-MAT are supplied in rolls.

3mm roll is 15m long x 1.2m wide (18m²)

5mm roll is 10m long x 1.2m wide (12m²)

PERFORMANCE DATA

CSIRO tests results on 200mm concrete slab. No ceiling beneath the slab.

A 3600mmx3000mm **SP-MAT 3mm and 4mm (720D)** were adhered to concrete slab with ADH-33 premium polymer rubber modified adhesive using a 6mmx6mmx6mm notch trowel.

600mmx600mmx8mm glazed porcelain tile adhered to **SP-MAT** with **ADH-33** using a 12mmx12mmx12mm notch trowel. Tiles were grouted using GRT-20 hydrophobic-sanded grout.

SP-MAT 3mm L_{n,w} = 62

SP-MAT 4mm L_{n,w} = 60

CSIRO Acoustic Measurement Report No. INR218-01-1 and INR218-03-1.

Contact ACT Australia Technical Services for further details.

SP-MAT is specifically designed for the reduction of impact sound. The source of transfer noise from one level to another varies in accordance with each individual building and ACT Australia strongly recommends independent testing in-situ by a registered Acoustic Engineer to establish suitability of purpose.

All flooring was installed to the manufacturers' specifications. All adhesives were applied to the manufacturers' specifications. The source and transfer of noise from one level to another varies in accordance with each individual building construction. The information provided is given as an example of the performance of ACT Australia SP-MAT 3mm impact sound acoustic underlay only. The results provided are not to be read as a guarantee for any specific application.

