

SELF LEVELLING FLEXIBLE NOISE REDUCTION ACOUSTIC UNDERLAY

**ACOUSTIFLOR
PACKAGING**



MIXING



APPLICATION



USES



SUBSTRATES

**CONCRETE
CEMENT SCREED**

DESCRIPTION

ACOUSTIFLOR is a 2 component flexible, seamless, self-levelling, noise reduction, floor underlay designed and tested to ASTM E1007/E989 & ISO 717-2 for impact sound reduction when installing ceramic tiles or timber flooring.

USES

Can be installed over suitable flooring substrates, such as concrete and cement screeds to reduce inter-apartment impact noise.

COVERAGE (approximate)

ACOUSTIFLOR 20lt/20kg - covers approximately 7sq/m² at 5mm thick (final bed thickness).

PERFORMANCE DATA

(ACOUSTIFLOR) 5mm + 3mm (ACOUSTIBOND) gives an acoustic ASTM E1007/E989 FIIC rating on ceramic tiles of 55 based on a floor construction of 172mm concrete slab, 100mm cavity and 10mm plasterboard. FIIC – Field impact Insulation class. FIIC rating will vary on the type of construction (i.e. concrete thickness, strength).

SPECIFICATION

The acoustic tiling system will be a two pack flexible underlay and flexible adhesive such as ACOUSTIFLOR and ACOUSTIBOND adhesive that is tested to ASTM E1007/E989 and has an acoustic value of FIIC in excess of 50 on concrete floors.

For Ceramic Tiles

A two pack flexible acoustic adhesive that conforms to AS4992 and has a minimum shear bond strength of 1.25Mpa such as ACOUSTIBOND manufactured by Construction Chemicals and shall be applied in accordance with the manufacturers instructions.

For Timber Floors - Direct stick

A one part moisture curing solvent free polyurethane adhesive such as ULTRATHANE manufactured by Construction Chemicals and shall be applied in accordance with the manufacturers instructions.

SURFACE PREPARATION

All surfaces must be structurally sound, firm and free from oil, grease, laitance, dust, and other contaminants. New concrete must be at least 28 days old. Floors out of level >3mm in 2 metre length must be levelled with LEVEL FLOOR prior to applying ACOUSTIFLOR.

PRIMING

Prime all porous substrates with PRIMER AND GROUT ADDITIVE to ensure optimal adhesion.

Prime non porous surfaces with PRIMAX and apply with a broom.

APPLICATION

Sound absorption tape - Place the 12mm x 6mm closed cell polyethylene sound absorption tape around the perimeter of the floor to a height equal to the underlay, adhesive and flooring, to prevent sound transfer through the wall.

MIXING

Stir 20lt liquid thoroughly and place into a 60lt mixing container. Slowly add the 20kg powder to the liquid (never liquid to powder), stirring continuously with a DRIBOND ACOUSTIC MIXING PADDLE that pulls the material upwards (stopping air entrapment) to avoid lumps and achieve a uniformly wet mixture. Do not mix more than can be used in 5 minutes. It is advisable to mix and place the mixture within 1 minute to obtain best results from the self levelling properties.

ACOUSTIFLOR

Pour the mixture onto the floor and screed with the DRIBOND ACOUSTIC TROWEL to obtain a dry film thickness of 5mm over the total floor area. Ensure no gaps are left, as this will reduce noise reduction. Construction Chemicals recommends a DRIBOND ACOUSTIC TROWEL for the application. DO NOT over-trowel. Allow to cure for a minimum of 48 hours (23°C 50% relative humidity) after completing the application. Curing will be longer in colder, more humid conditions. Floor laying may commence after curing.

WATERPROOFING

Areas requiring waterproofing must be waterproofed after installing the ACOUSTIFLOR. This can be done using LIQUID FLASH 2 PACK. Refer to technical sheets and application instructions.

Fix Timber Floors > 12mm thick with ULTRATHANE after checking the moisture content of the ACOUSTIFLOR is beneath the minimum requirements of ASDR99463 Sept. 1999. Cures to 5% moisture content @ 23°C 50% RH in 48 hours. Colder or more humid conditions will take longer.

Fix Tiles/Stone with ACOUSTIBOND to a 3mm thickness and grout with KEMGROUT mixed with PRIMER & GROUT ADDITIVE or FLEXIBLE GROUT ADDITIVE.

CURING

To ensure proper curing open windows to get a good flow of air over the surface. Cover glass areas that allow direct sunlight to shine on the surface.

PRECAUTIONS

1. Do not use on floor subject to rising damp.
2. When fixing timber floors allow the ACOUSTIFLOR to dry to a less than 5.5% moisture content before fixing timber.

CLEAN UP

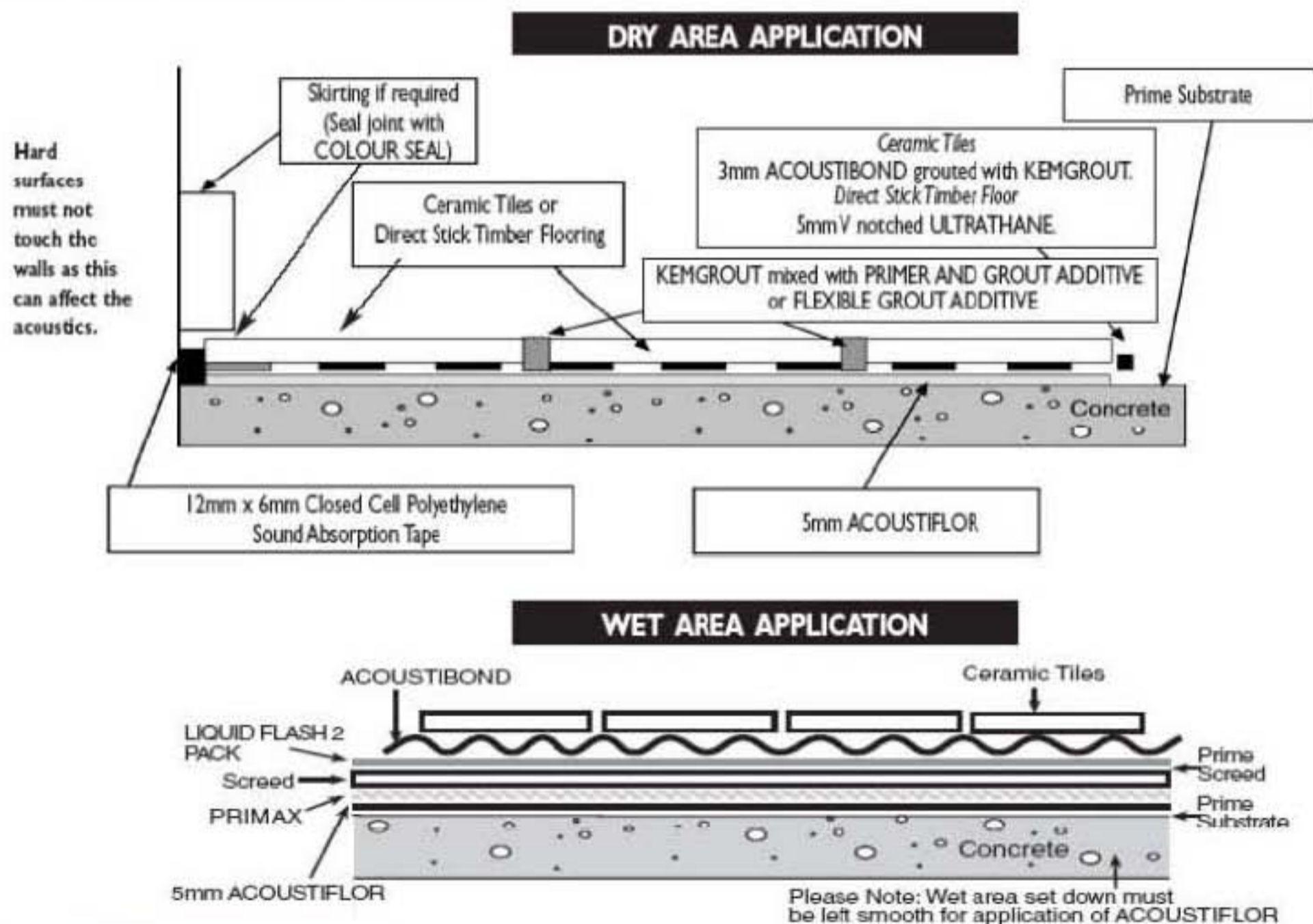
Clean off wet material with water, cured material with Xylene Solvent or similar.

SHELF LIFE

1 Year, when unopened and kept dry.

FURTHER INFORMATION

Material Safety Data Sheets are available on request.



**CONSTRUCTION
CHEMICALS**

- **ADELAIDE** 135 CORMACK RD (Cnr Davis St) WINGFIELD 5013 PH: (08) 8243 7888 FAX: (08) 8243 7800
- **BRISBANE** 45 COULSON ST WACOL 4076 PH: (07) 3271 2944 FAX: (07) 3271 3892
- **MELBOURNE** 11 GABRIELLE CT BAYSWATER NORTH 3153 PH: (03) 9761 4711 FAX: (03) 9761 4748
- **PERTH** 11 COLLIE ST WELSHPOOL 6106 PH: (08) 9356 9999 FAX: (08) 9356 9955
- **SYDNEY** 31-33 NEWTON RD WETHERILL PARK 2164 PH: (02) 9756 3533 FAX: (02) 9756 3534
- **AUCKLAND** 16 CARPENTER RD EAST TAMAKI PH: (09) 273 5444 FAX: 0900 266 236
- **KUALA LUMPUR** LOT 2 JALAN KECABI 33/2 ELITE INDUSTRIAL ESTATE OFF JALAN BUKIT KEMUNING 40000 SHAB ALAM PH: (603) 5122 2522 FAX: (603) 5122 2526

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