

Super SAM® All-in-one Acoustic Membrane

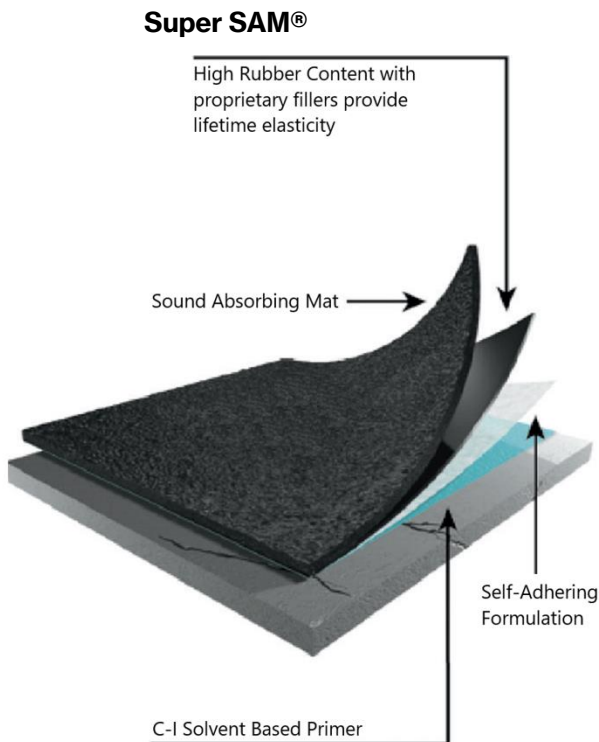
Product Data Sheet

PRODUCT OVERVIEW

Super SAM® is a premium sound control membrane for use in applications that require impact and audible sound reduction, without a sound rated ceiling assembly. Composed of modified elastomers, sound deadening resins and reinforced woven fibres, Super SAM® is approximately 3.2mm thick and is designed for floors requiring an Impact Insulation Class (IIC) rating compliant to ISO717.2 (BCA) of $L_{nw} + C_1 > 62\text{DB}$.

In addition to sound abatement, Super SAM® serves three additional purposes. It is crack isolation underlayment capable of protecting floors from up to 10mm lateral substrate movement and, when used with an approved sealant, a waterproofing membrane. It is also guaranteed to resist Moisture Vapour Transmission (MVT) 10#/1000SF/24HRS when used with C-I Primer.

Ideal for applications including apartments, classrooms, multi-family housing, hotels, high-rise office buildings, media rooms and any instance where IIC noise can impact living areas directly below.



FEATURES & BENEFITS

- Lifetime warranty
- IIC Testing to ISO712.2 (BCA) - Complies to $L_{nw} + C_1 > 62\text{DB}$
- 10mm lateral movement crack protection
- Suitable for exterior & interior applications
- Quick drying, flood test within 24 hours.
- Peel & stick, tile over instantly!
- Eliminates control/cold joints entirely. Full floor soft joint coverage. Seamless finishes!
- Rigorously tested and compliant to all applicable Australian standards
- Zero VOCs
- Ceramic tile underlay not required
- Compatible with under-floor heating systems

INSTALLATION

Super SAM® is recommended for installation under a variety of flooring including, ceramic, porcelain, stone, marble, slate, granite tile, pavers and brick using a thin or medium-bed mortar. Hardwood, manufactured wood, commercial grade vinyl and other finished floors are also acceptable when floated over membrane or installed with a solvent-free adhesive; check with manufacturer.

SUITABLE SUBSTRATES

Super SAM® may be installed over a variety of substrates:

Concrete: Poured, pre-stressed, post-tensioned and pre-cast concrete, cement sheet, screeds, plasterboard, lightweight concrete, leveling and patching compounds.

Wood: Structural and marine plywood, hardwood, tongue and groove. (Gap between sheeting as required in accordance to manufacturers recommendations)

Other Substrates: Existing and structurally sound installations of ceramic or porcelain tile, stone, terrazzo, VCT/VAT, metal, radiant-heated, painted and sealed floors and floors damaged by shrinkage and structural movement.

- Substrates must be dry, well adhered, and clean of wax, petroleum sealers, dirt, grease, oil or other bond breakers.
- Some concrete boards are not suitable for the application of ECB Classic; check with manufacturer.
- Not recommended for vertical or overhead applications.
- A bond test is required

SHORT FORM SPECIFICATIONS

1. **Material:** Provide Super SAM Membrane as manufactured by: NAC Products, Inc. & Supplied by Crack Isolation Pty Ltd.
 - a. 3.2mm thick load bearing membrane, capable of 10mm lateral movement per lineal metre crack isolation protection.
 - b. Sound Abatement without an SRCA, waterproofing, self-bonding pressure sensitive sheet
 - c. Compatible with most latex modified thinset mortars, epoxies and adhesives.

Provide C-I Solvent Based Primer. Full floor coverage will require the use of 50mm double stick lap joint or use of 150mm seam tape where applicable as recommended by manufacturer.

2. **Equipment:** Damp mop, industrial vacuum, chalk/laser line, 230-290mm roller or flat trowel applying 50 lbs. of pressure/sq. inch, paint roller applicator or brush, utility knife.
3. **Warranty:** Crack Isolation Pty Ltd offers limited and lifetime performance and materials warranties. Please contact customer service at info@crackisolation.com.au for more information.

TECHNICAL DATA

Super SAM® All-in-one Acoustic Membrane

Thickness: 3.2mm ± 0.27mm

Seams: Butt joint application

Roll Size & Weight: 915mm x 15.24 mtrs @ 41.7 kg

Shelf Life: 1 year

Freeze Thaw: Stable

Property	Test Value	Test Method
FHA 4900.1	Pass, 3' Head	ASTM D-583
Crack Bridging	3/8"	NAC Model
System Performance	Light Commercial/ Residential	A118.12
6" Bare Concrete Slab - Tile Finished Floor	IIC - 51 STC - 54 ΔIIC - 22	ASTM E 90 ASTM E 492 ASTM E 2179
6" Bare Concrete Slab - Hardwood Finished Floor	IIC - 51 STC - 52 ΔIIC - 23	ASTM E 90 ASTM E 492 ASTM E 2179
Wood Joist System	IIC - 56 STC - 61	ASTM E 90 ASTM E 492 ASTM E 2179

Impact Insulation Class (IIC) = ASTM E 492-90/96

Sound Transmission Class (STC) = ASTM E 90-70

Delta = ASTM E2179-03

For full test results, please contact Crack Isolation Pty Ltd at info@crackisolation.com.au



Crack Isolation Pty Ltd
www.crackisolation.com.au

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