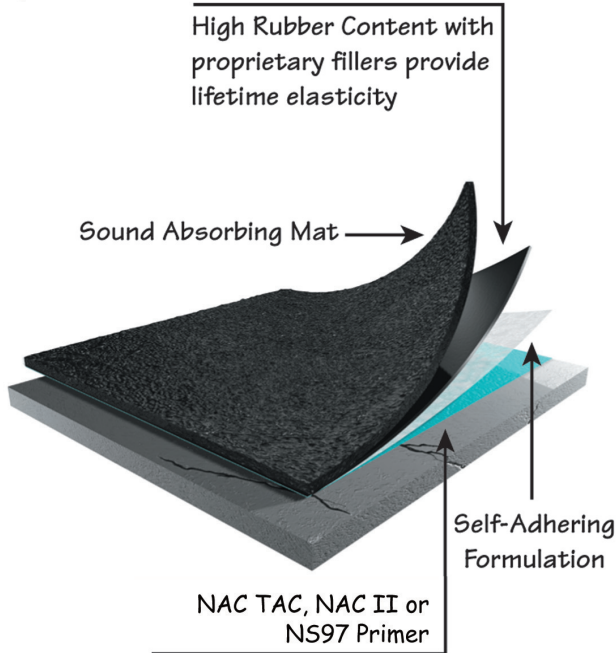


# Super SAM<sup>®</sup> 125 Sound Control Membrane

## Product Data Sheet

National Applied Construction Products, Inc. • 800-633-4622 • Fax: 330-644-3557 • [www.NACproducts.com](http://www.NACproducts.com)  
Important: Proper installation of this system requires use of the appropriate primers and companion products. Read and understand Product Data (PDS) and Material Safety Data (MSDS) for all products prior to installation.

### Super SAM<sup>®</sup> 125



### Sound Control with Crack Isolation, Waterproofing and MVT Resistance

**Super SAM<sup>®</sup> 125** is a premium sound reduction membrane for use in applications without a sound rated ceiling assembly.

**Super SAM<sup>®</sup> 125** is designed for floors requiring an Impact Insulation Class (IIC) and a Sound Transmission Class (STC) rating of not less than 50 as determined by ASTM Standards E90, E413 and E492.

**Super SAM<sup>®</sup> 125** also provides crack isolation protection for up to 3/8" lateral substrate movement. When used with an approved sealant, **Super SAM<sup>®</sup> 125** also functions as a waterproofing membrane. It is also guaranteed to resist Moisture Vapor Transmission (MVT) 10#/1000SF/24HRS when used with NAC TAC or NS97 Primer or 7#/1000SF/24HRS when used with NAC TAC II Primer.

**Super SAM<sup>®</sup> 125** substantially reduces reflective cracking and delamination between the substrate and floor surface and because it is a self-bonding system, it is easier to apply, and installs faster than other systems. Once applied, floor tile can be installed immediately, minimizing down time and labor cost.

### How It Works

**Super SAM<sup>®</sup> 125** is a 125 mil (approx. 1/8") thick, self-adhering, sound deadening sheet membrane chemically formulated to reduce airborne (STC) and impact (IIC) sound transmission when used under stone, ceramic and porcelain tile, wood and commercial grade vinyl tile.

**Super SAM<sup>®</sup> 125** is composed of modified elastomers, sound deadening resins and reinforced woven fibers and is designed for use in applications without a sound rated ceiling assembly.

The tile system including setting material, tile & grout shall have a minimum 1/8" gap at all floor to wall transitions. Apply an acoustical sealant or sound perimeter tape at room perimeter.

**Super SAM<sup>®</sup> 125** has been extensively tested and certified for sound reduction on a variety of hard surface substrates.

### Features and Benefits

- IIC, STC & Delta rated
- Sound abatement over concrete slabs and a variety of wood substrates
- Protects against reflective cracking and delamination
- Reduces live and dead load failures
- Safely covers asbestos flooring and provides an effective barrier against radon and mold
- Resists MVT 10#/1000SF/24HRS when used with NAC TAC or NS97 Primer and 7#/1000SF/24HRS when used with NAC TAC II primer
- Eliminates need to cut tile to meet control/cold joints
- No need to remove old floors or recess new ones
- Self-bonding and self-healing formula
- Tile can be installed the same day as membrane
- Works with radiant-heated floors and tile warming systems

### Installation Under

**Super SAM<sup>®</sup> 125** is recommended for use under thin & medium-bed mortar installations (ANSI A118.4) of ceramic, porcelain, stone, marble, slate, granite tile, pavers, and brick. Hardwood, manufactured wood, commercial grade vinyl and other finished floors are also acceptable; check with manufacturer.

## Suitable Substrates

**Concrete:** Poured, pre-stressed and pre-cast concrete. Concrete backerboard, mud beds, gypsum, lightweight concrete and patching compounds.

**Wood:** Exterior or exposure 1 plywood, APA-rated sheathing, Sturd-I-Floor, hardwood, tongue and groove and OSB with standard face. (Gap between sheeting as required.)

**Other Substrates:** Ceramic and porcelain tile, stone, terrazzo, VCT/VAT, metal, radiant-heated, painted and sealed floors and floors damaged by dry shrinkage and structural movement.

- For absorptive substrates use Moisture Lock 101® in accordance with manufacturer's instructions.
- A cementitious parge coat must be applied to concrete block and cured before priming.
- 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 **Super SAM® 125** Membrane; check with board manufacturer.
- Not recommended for vertical or overhead surfaces.
- Refer to current TCNA handbook for additional guidelines.

## Short Form Specifications

### Super SAM® 125 Sound Control Membrane

1. **Material:** Provide Super SAM® 125 Sound Control Membrane as manufactured by:

NAC Products, Inc.  
3200 S. Main St.  
Akron, OH 44319  
(800) 633-4622  
www.NACproducts.com

or an architect approved equal.


- 125 mil thick load bearing membrane, capable of 3/8" crack suppression
- Sound Abatement without an SRCA, waterproofing, self-bonding, pressure sensitive sheet
- Compatible with most latex modified thinset mortars, epoxies and adhesives.

Provide NAC TAC, NAC TAC II or NS97 primer (**See primer chart on right**). Full floor butt joint coverage in 36" width. Provide acoustical sealant at tile perimeter as recommended by manufacturer.

2. **Equipment:** Damp mop, industrial vacuum, chalk line, 75-100# roller or flat trowel applying 50 lbs. of pressure/sq. inch, paint roller applicator or brush, utility knife.

3. **Warranty:** NAC Products, Inc. offers a range of limited and lifetime performance and materials warranties. Please contact customer service at 800.633.4622 for details or visit www.NACproducts.com for more information on warranties.

## Primer Reference Chart

	INTERIOR APPLICATION			EXTERIOR APPLICATION		
	Below Grade	On Grade	Above Grade	Below Grade	On Grade	Above Grade
NAC TAC	✓	✓	✓	✓	✓	✓
NAC TAC II		✓	✓			
NS97				✓	✓	✓

Reference the PRIMER PDS SHEET for complete information of NAC Products, Inc. primers.

## Technical Data

### Super SAM® 125 Sound Control Membrane

- Thickness:** 125 mil, ±5 mil  
**Seams:** Butt joint application  
**Roll Sizes & Weights:** 3' (915 mm) x 50' (15.24 m) @ 92 lb (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	ASTM C-627
Delta	21/23	ASTM E2179-03
Impact Insulation Class (IIC)	51/52*	ASTM E 492-90/96
Sound Transmission Class (STC)	55/54*	ASTM E 90-70

\*Performed on a 6" Concrete Slab with Homosote. No Sound Rated Ceiling Assembly.

For full test results, please contact NAC Products, Inc. at 800.633.4622.