

# Super SAM<sup>®</sup> 125

Sound Control Membrane

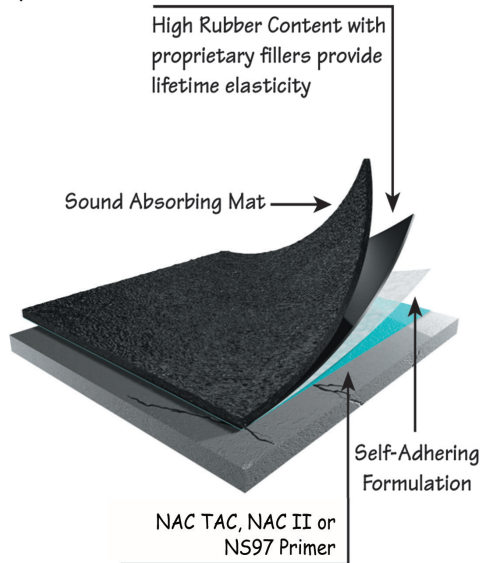
### PRODUCT OVERVIEW

Super SAM<sup>®</sup> 125 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 fibers, Super SAM<sup>®</sup> 125 is approximately 1/8" thick, and is designed for floors requiring an Impact Insulation Class (IIC) and a Sound Transmission Class (STC) ratings of not less than 50 as determined by ASTM Standards E90, E413 and E492.

Super SAM<sup>®</sup> 125 substantially reduces reflective cracking

#### Super SAM<sup>®</sup> 125



and delamination between the substrate and floor surface, protecting up to 3/8" lateral substrate movement. Once applied, floor tile can be installed immediately, minimizing down time and labor cost.

When used with NAC TAC or NS97 primer, Super SAM<sup>®</sup> 125 will resist Moisture Vapor Transmission (MVT) up to 10#/1000SF/24HRS and 7#/1000SF/24HRS when used with NAC TAC II Primer. Super SAM<sup>®</sup> 125 will also function as a waterproof membrane when used with an approved urethane sealant.

### FEATURES & BENEFITS

- Suitable for interior and exterior use
- Meets ANSI A118.13, A118.12 and ANSI A118.10
- Protects against reflective cracking and delamination
- Independent Lab Tested -
  - IIC-51 STC-54 ΔIIC-22 - Tile over 6" concrete
  - IIC-51 STC-52 ΔIIC-23 - Wood over 6" concrete
  - IIC-56 STC-61 - Tile over wood joist assembly
- Safely covers asbestos flooring and provides an effective barrier against radon and mold
- Eliminates need to cut tile to meet control/cold joints
- No need to remove old floors or recess new ones
- Use with thin-bed and medium-bed applications
- Tile can be installed the same day as membrane
- Works with radiant-heated floors and tile warming systems

### INSTALLATION

Super SAM<sup>®</sup> 125 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 meeting ANSI A118.4.

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.

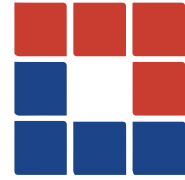
### SUITABLE SUBSTRATES

Super SAM<sup>®</sup> 125 may be installed over a variety of substrates:

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

**Wood:** Plywood, APA-rated sheathing, Sturd-I-Floor, hardwood, tongue and groove and OSB with standard face. (Gap between sheathing as required.)

**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. A bond test is recommended.



- For absorptive substrates use Moisture Lock 101<sup>®</sup> 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<sup>®</sup> 125 Membrane; check with board manufacturer.
- Not recommended for vertical or overhead applications
- Refer to current TCNA handbook for additional guidelines.

### SHORT FORM SPECIFICATIONS

- Material:** Provide Super SAM<sup>®</sup> 125 Sound Control Membrane as manufactured by:  
 NAC Products, Inc.  
 3200 S. Main St.  
 Akron, OH 44319  
 (800) 633-4622 - [www.NACproducts.com](http://www.NACproducts.com)  
 or an architect approved equal.
  - Approximately 1/8" thick load bearing membrane, capable of 3/8" crack suppression
  - 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 coverage or material to be installed in a 36" wide strip application over control/saw cut joints as recommended by manufacturer.
- 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.
- 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 [NACproducts.com](http://NACproducts.com) for more information on warranties.

### TECHNICAL DATA

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

**Thickness:** Approximately 1/8"  
**Seams:** Butt joint application

**Roll Size & Weight:**  
 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	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 NAC Products, Inc. at 800.633.4622.

### Primer Reference Chart

NAC	Interior Application			Exterior Application		
	Below Grade	On Grade	Above Grade	Below Grade	On Grade	Above Grade
NAC TAC	√	√	√	√	√	√
NAC TAC II		√	√			
NS97				√	√	√

For complete information about primers, refer to the Primer PDS



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[www.NACproducts.com](http://www.NACproducts.com)

800.633.4622 • fax: 330.644.3557

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