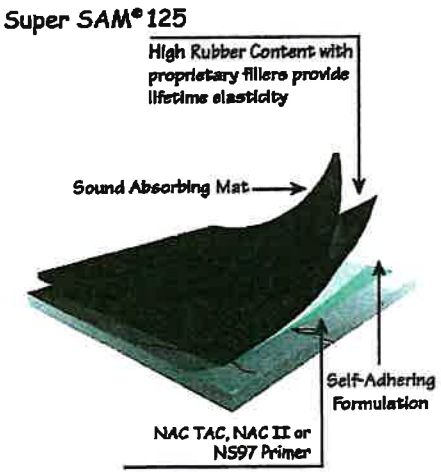
Approved

National Applied Construction Products, Inc.

Proudly manufacturing confidence for 35 years!



Features and Benefits

- Sound abatement over 6" & 8" concrete slabs and a variety of wood substrates
- IIC 51, STC 54, ΔIIC 22 on a 6" concrete slab
- IIC 56, STC 61 on a wood joist system
- 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 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
- 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

Super SAM® 125 Sound Control Membrane

Super SAM® 125 is a premium sound abatement membrane for surfaces that require impact and audible sound reduction without a sound rated ceiling assembly.

How It Works

Super SAM® 125 is a thin (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 other hard surface flooring. Super SAM® 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.

NAC TAC, NAC TAC II or NS97 Primers are necessary components of NAC sheet membrane systems.

Super SAM® 125 has been extensively tested and certified for sound reduction on a variety hard surface substrates.

Bare 6" Concrete Slab - Tile Finished Floor
IIC: 51
STC: 54
Delta IIC: 22

Bare 6" Concrete Slab - Engineered Wood Finished Floor
IIC: 51
STC: 52
Delta IIC: 23

Bare 8" Concrete Slab - Tile Finished Floor
IIC:51
STC:55

6" Concrete Slab with 1/2" Backerboard - Tile Finished Floor
IIC:52
STC:54
Delta IIC:23

Wood Joist Assembly - Tile Finished Floor
IIC: 56
STC: 61

For floors requiring crack isolation protection, Super SAM® 125 provides protection from in-plane, structural movement up to 3/8".

For protection against Moisture Vapor Transmission (MVT), use Super SAM® 125 and the appropriate NAC primer to provide protection of 10#/1000SF/24HRS when used with NAC TAC or NS97 Primer or 7#/1000SF/24HRS when used with NAC TAC II Primer.

Uses

Super SAM® 125 is a perfect solution for applications requiring integrated sound abatement such as apartments, condominiums, multi-level hotels, high-rise office buildings, media rooms, children's play areas, and other areas needing sound reduction.

Use Super SAM® 125 membrane ***OVER***:

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.)

SECTION804
INTERIOR FLOOR FINISH

804.1General.

Interior floor finish and floor covering materials shall comply with Sections 804.2 through 804.4.2.

Exception: Floor finishes and coverings of a traditional type, such as wood, vinyl, linoleum or terrazzo, and resilient floor covering materials that are not comprised of fibers.

804.2Classification.

Interior floor finish and floor covering materials required by Section 804.4.2 to be of Class I or II materials shall be classified in accordance with ASTM E648 or NFPA 253. The classification referred to herein corresponds to the classifications determined by ASTM E648 or NFPA 253 as follows: Class I, 0.45 watts/cm^2 or greater; Class II, 0.22 watts/cm^2 or greater.

804.3Testing and identification.

Interior floor finish and floor covering materials shall be tested by an agency in accordance with ASTM E648 or NFPA 253 and identified by a hang tag or other suitable method so as to identify the manufacturer or supplier and style, and shall indicate the *interior floor finish* or floor covering classification in accordance with Section 804.2. Carpet-type floor coverings shall be tested as proposed for use, including underlayment. Test reports confirming the information provided in the manufacturer's product identification shall be furnished to the building official upon request.

804.4Interior floor finish requirements.

Interior floor covering materials shall comply with Sections 804.4.1 and 804.4.2 and interior floor finish materials shall comply with Section 804.4.2.

804.4.1Test requirement.

In all occupancies, interior floor covering materials shall comply with the requirements of the DOC FF-1 "pill test" (CPSC 16 CFR Part 1630) or with ASTM D2859.

804.4.2Minimum critical radiant flux.

In all occupancies, interior floor finish and floor covering materials in enclosures for stairways and ramps, exit passageways, corridors and rooms or spaces not separated from corridors by partitions extending from the floor to the underside of the ceiling shall withstand a minimum critical radiant flux. The minimum critical radiant flux shall be not less than Class I in Groups I-1, I-2 and I-3 and not less than Class II in Groups A, B, E, H, I-4, M, R-1, R-2 and S.

Exception: Where a building is equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or 903.3.1.2, Class II materials are permitted in any area where Class I materials are required, and materials complying with DOC FF-1 "pill test" (CPSC 16 CFR Part 1630) or with ASTM D2859 are permitted in any area where Class II materials are required.