

Floor Underlayment Systems

for Tile, Stone, Wood, VCT and more



Crack Isolation



Sound Control



Waterproofing



Moisture Barrier

Supporting You From the Ground Up

National Applied Construction (NAC) Products, Inc. is a family-owned and operated company based in Akron, Ohio.

For more than 35 years, NAC has been an industry leader in flooring and surface protection systems with its products among the most preferred by architects, contractors and consultants.

In 1983, our Elastomeric Crack Bridging (ECB®) anti-fracture membrane revolutionized the way decorative floors were installed. This has since led to an extensive line of crack isolation, waterproofing, sound control and moisture barrier solutions proven to outperform the competition.

At NAC, we are firmly committed to providing environmentally friendly, safe and cost effective solutions to protect your flooring investment. We are dedicated to supporting you from the ground up.

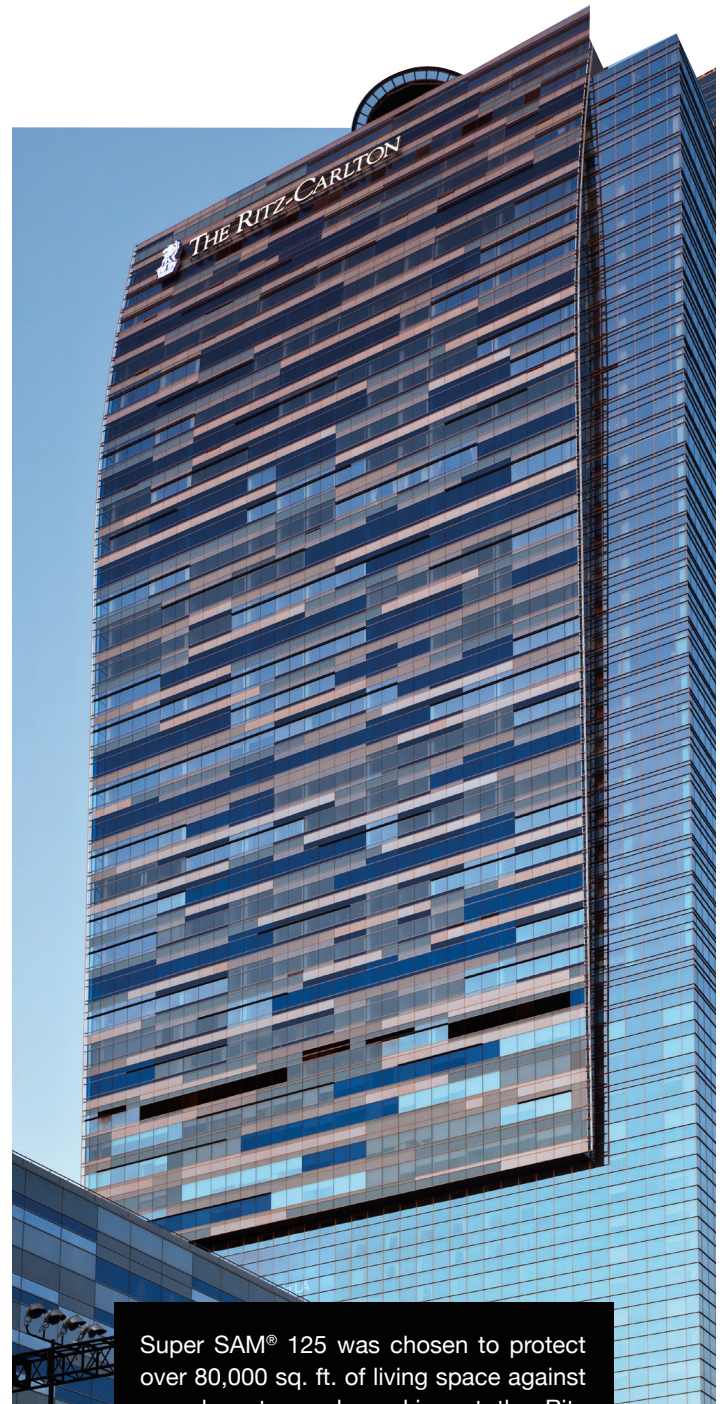
Our Company

Family owned and operated for more than 35 years, National Applied Construction (NAC) Products, Inc. solves the industry's most prevalent problems with innovative products and quality workmanship.

Our Family

Founder Tom Duve built NAC into the family-oriented business it continues to be today. The NAC name itself is a dual-purpose acronym: known industry wide as "National Applied Construction," NAC also stands for the names of Tom's Children: Nick, Andy and Christie. These family principles continue under the leadership of Tom's son-in-law and current president of NAC Brian Petit. Brian states, "Since 1983, family members have worked within the business to keep it growing. We've kept our traditions of family values and American manufacturing alive and it's present in everything we produce at NAC."

Proudly Serving Our Industry Partners



Super SAM® 125 was chosen to protect over 80,000 sq. ft. of living space against sound, water and cracking at the Ritz Carlton at L.A. Live.



Our Products

In 1983, NAC founder Tom Duve noticed the American tile industry’s need for reliable solutions to cracked tile within commercial and residential applications. This led to the pioneering of a new membrane system that solved an age-old problem and allowed for contractors to confidently install ceramic surface stone with a guarantee that the product wouldn’t crack due to substrate expansion and contraction. That groundbreaking product was none other than the Elastomeric Crack Bridging (ECB®) anti-fracture membrane.

ECB marked just the beginning of NAC’s innovative capabilities. ECB’s unique technology literally secured the path toward innovations in crack isolation, waterproofing and sound control that still distinguish NAC from the competition today. Super SAM® 125 also marked a turning point for the company. Super SAM 125 is a revolutionary sound control system that achieves supreme impact and airborne sound ratings and continues to be the most trusted membrane for use in high rise, residential and commercial units.

Our Promise

Founded and operated in Akron, Ohio (also known as the “City of Invention”) we are committed to our values as an American company. All of our products are produced in the United States, even down to the raw materials. We are proud to produce high-performance products for our customers and the flooring industry, having expanded to bring secure flooring all around the world.



Clean Air GOLD Certified

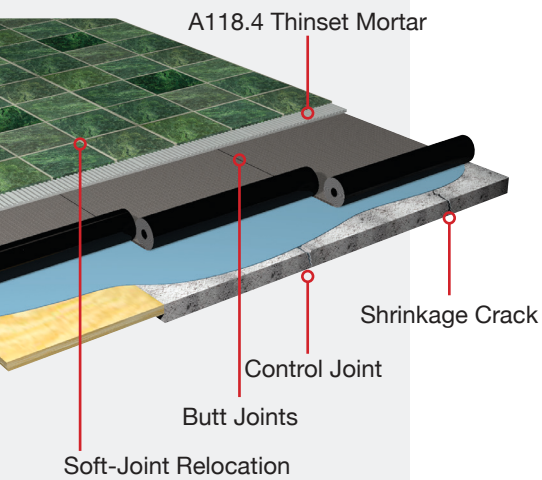
All NAC sheet membranes, NAC TAC II primer and SubSeal® Liquid Waterproofing Membrane have achieved certification by the independent laboratory, Intertek and conform to California Department of Public Health (CDPH) Standard Method v1.2: Private Office, School Classroom, and Single-Family Residence.

The “Pass” disposition indicates the products did not exceed the VOC limit for the private office, school classroom and single-family residence scenarios. The emissions testing was performed over a period of 14 days for Super SAM® 125, SubSeal Liquid and NAC TAC II primer. ECB®, ECB® 75, Strataflex® and SAM® 3 membranes, have subsequently been included into this certification because of their proprietary composition. The products were tested based on the most stringent modeling scenario.

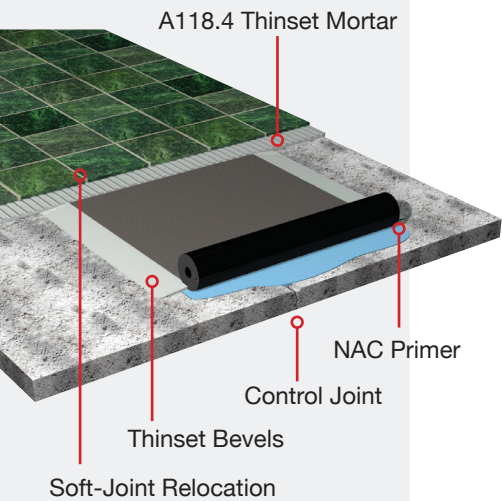
Crack Isolation

Product Application

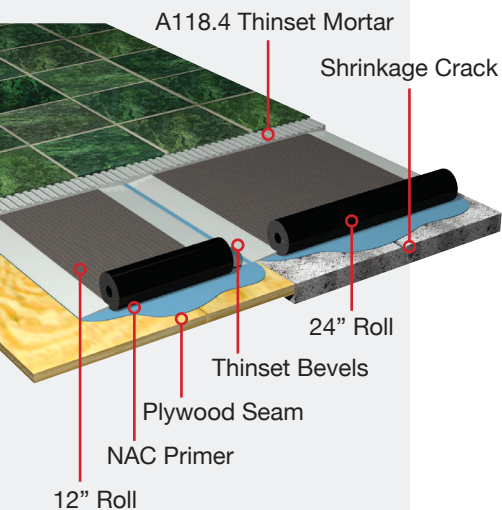
Full Floor Coverage



Joint Relocation



Strip Application



ECB® Classic

ECB Classic is a 40 mil, self-adhering, sheet-applied elastomeric membrane designed for use under floor surfaces that require protection from structural movement. The peel and stick membrane is permanently adhered to the substrate with an NAC primer while still maintaining the unique flexibility needed to protect against structural movement and cracks.

Ideal for malls, airports, apartments, office buildings and any commercial or residential installations that require crack protection.

Features and Benefits

- Crack protection for up to 3/8" lateral movement
- Meets ANSI A118.12 and A118.10
- Performs accurately with floor warming systems
- Same day flooring installation
- Extra Heavy-Duty Commercial/Residential load rating

Size	Code	Sq. Ft.	Units
1' x 50'	010011200	50'	4
2' x 50'	010012400	100'	2
3' x 50'	010013600	150'	1



ECB® 75

ECB 75 is a 40 mil, self-adhering sheet-applied elastomeric membrane is designed for use under floor surfaces that require protection from structural movement. A value-priced alternative to ECB Classic, the peel-and-stick ECB 75 is permanently adhered to the substrate with an NAC primer and provides crack isolation up to 1/4" making it the perfect solution for interior residential applications.

Features and Benefits

- Suitable for interior residential use
- Crack protection for up to 1/4" of lateral movement
- Performs accurately with floor warming systems
- Meets ANSI A118.12 and A118.10
- Same day flooring installation

Size	Code	Sq. Ft.	Units
3' x 75'	0010013675	225'	1



Strataflex®

Strataflex is a high strength, 40 mil, self-adhering, elastomeric sheet-applied membrane designed for use under interior and exterior flooring surfaces that require waterproofing protection. Strataflex features a 2' double-stick lap joint that creates a watertight seal, providing exceptional waterproof protection.

Strataflex is permanently adhered to the substrate with an NAC primer making it the perfect solution for condominiums, bathrooms, kitchens, restaurants, malls, office buildings and any commercial or residential installations requiring waterproof protection.

Features and Benefits

- Suitable for interior and exterior use
- Crack protection for up to 3/8" of lateral movement
- 2" lap joint creates a watertight seal
- Meets ANSI A118.10 and A118.12
- Same day flooring installation

Size	Code	Sq. Ft.	Units
3' x 50'	020020150 1	50'	1



SubSeal®

SubSeal is a one-part, ready-to-use elastomeric waterproofing membrane designed for interior and exterior applications for surfaces that require waterproof protection. SubSeal may be applied on horizontal and vertical surfaces and also functions as a sealant and moisture barrier. SubSeal bonds to a variety of substrates, metal drains, PVC, ABS fixtures, stainless steel, concrete backer board and more.

SubSeal is an excellent solution for condominiums, bathrooms, kitchens, restaurants, malls, office buildings and any commercial or residential installations requiring waterproof protection.

Features and Benefits

- Suitable for interior and exterior use
- Thin, low-profile membrane with superior flexibility when cured
- Quick drying; flood test in less than 24 hours
- Crack protection for up to 1/8" of lateral movement
- Same day flooring installation

Size	Code	Sq. Ft.	Units
1 gal.	040020001	110'	4
5 gal.	040020005	550'	1

Extreme Deck Waterproofing System

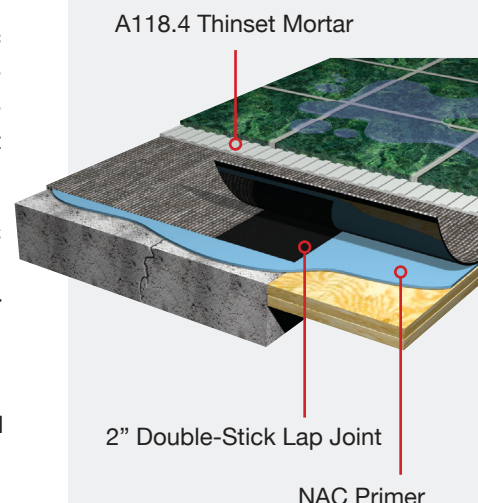
The Extreme Deck Waterproofing System combines two stand-alone waterproofing membranes, Strataflex sheet and SubSeal liquid, to create a double layer of waterproof protection. Exterior decks can provide a challenging installation, especially in areas with extreme heat and cold conditions. The Extreme Deck System utilizes preformed fabric corners and seam tape to create a watertight surface assuring lasting protection of your exterior deck.

Features and Benefits

- Ideal for exterior decks over a living space
- Meets ANSI A118.10 and A118.12
- Same day flooring installation



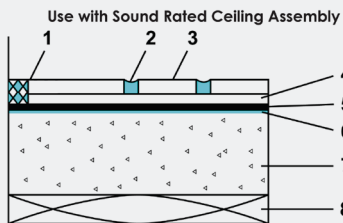
Product Application



SubSeal® Liquid Waterproofing Membrane can be applied by roller or trowel.



Product Application



- Use with Sound Rated Ceiling Assembly**
- 1/4" Acoustical Sealant or Sound Perimeter Tape
 - Soft Joint Where Required
 - Tile, Stone or Other Hard Surface Flooring
 - Tile Bond Coat - A118.4 Medium Bed Mortar
 - SAM[®] 3 Membrane
 - Primer (NAC TAC, NAC TAC II, or NS97)
 - Structurally Sound Substrate
 - Sound Rated Ceiling Assembly



SAM[®] 3

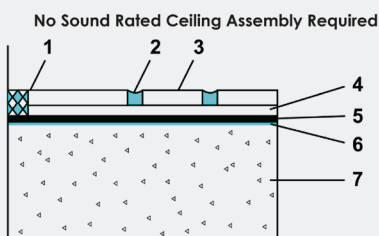
SAM 3 is a 90 mil thick, self-adhering, sheet-applied, elastomeric membrane designed for use under floor surfaces that require impact and audible sound reduction. The low profile, peel-and-stick membrane is applied with an NAC primer and may be installed over substrates with or without a sound rated ceiling assembly (SRCA).

Features and Benefits

- IIC 70 STC 67*
- Crack protection for up to 3/8"
- Same day flooring installation
- Meets ANSI A118.13, A118.10, A118.12
- Residential load rating

Size	Code	Sq. Ft.	Units
3' x 50'	020020190	150'	1

*tested on an 8" concrete slab with SRCA



- No Sound Rated Ceiling Assembly Required**
- 1/4" Acoustical Sealant or Sound Perimeter Tape
 - Soft Joint Where Required
 - Tile, Stone or Other Hard Surface Flooring
 - Tile Bond Coat - A118.4 Medium Bed Mortar
 - Super SAM[®] 125 Membrane
 - Primer (NAC TAC, NAC TAC II, or NS97)
 - Structurally Sound Substrate



Super SAM[®] 125

Super SAM 125 is a thin, (approx.1/8" thick), self-adhering, self-healing, sound-deadening sheet membrane designed for use under floor surfaces that require impact and audible sound reduction. The peel-and-stick membrane is applied with an NAC primer and may be installed over substrates without a sound rated ceiling assembly (SRCA).

Features and Benefits

- IIC 51 STC 54 ΔIIC 22 on 6" concrete with tile
- IIC 56 STC 61 on wood joist system with tile
- IIC 51 STC 52 ΔIIC 23 on 6" concrete with hardwood
- Same day flooring installation
- Crack protection for up to 3/8"
- Light Commercial/Residential load rating

Size	Code	Sq. Ft.	Units
3' x 50'	020020160	150'	1

Moisture Control



Moisture Lock 101[®]

Moisture Lock 101 is a chemical floor hardener designed for porous, cementitious substrates to harden, seal and dust-proof surfaces and help reduce moisture vapor transmission (MVT). As a clear, water-based liquid, Moisture Lock 101 penetrates and reacts with the free lime and calcium carbonate in concrete to fill and seal pores and capillaries.

Size	Code	Sq. Ft.	Units
1 gal.	060370041	300'	4
5 gal.	060373455	1,500'	1

Features and Benefits

- Maximizes coverage of NAC primers by minimizing absorption into porous substrates
- No VOCs, no odor
- Hardens aged, powdering concrete
- Covers 100-300 Sq. Ft. per gallon depending on applicator and porosity of substrate
- Up to three coats may be applied (24 cure between coats)



NAC TAC PRIMER

NAC TAC primer is designed for use with interior and exterior applications of NAC membranes. This non-flammable, neoprene-based primer is the ideal solution for below grade, on grade and above grade applications. The premixed formula requires no thinning and will not re-emulsify. Once applied, the primer sets up within about 15-30 minutes and is ready for membrane application.

Features and Benefits

- For interior and exterior applications
- Provides MVT protection 10#/1000SF/24hours
- Neoprene-based, non-flammable
- Covers 375-425 Sq. Ft. per gallon

Size	Code	Sq. Ft.	Units
1 gal.	050070001	1600'	4



NAC TAC II PRIMER

NAC TAC II primer is designed interior applications of NAC membranes. This non-flammable water-based primer contains no VOCs and is the ideal solution for on-grade and above-grade applications. The premixed formula requires no thinning and will not re-emulsify. Once applied, the primer sets up within about 15-30 minutes and is ready for membrane application.

Features and Benefits

- For interior applications
- Provides MVT protection 7#/1000SF/24hours
- Water-based, nonflammable
- Covers 375-425 Sq. Ft. per gallon

Size	Code	Sq. Ft.	Units
1 gal.	050070001	1600'	4



NS97 PRIMER

NS97 primer is designed for exterior applications of NAC membranes. This solvent-based primer is non-flammable and may be used in below-grade, on-grade and above-grade applications. The premixed formula requires no thinning and will not re-emulsify. Once applied, the primer sets up within about 15-30 minutes

Features and Benefits

- For exterior applications
- Provides MVT protection 10#/1000SF/24hours
- Solvent-based, non-flammable
- Covers 375-425 Sq. Ft. per gallon

Size	Code	Sq. Ft.	Units
1 gal.	030371621	1600'	4

PFI/PFO Fabric Corners

Pre-formed Inside and Outside corners are composed of a breathable fabric material and are used in conjunction with SubSeal liquid waterproofing membrane. The corners safeguard on-grade and above-grade installations in bathrooms, kitchens, balconies, decks and other areas needing waterproofing protection.

Features and Benefits

- Low profile, durable construction for quick and easy installation
- Breathable fabric allows SubSeal to soak into the fibers and cures to create a strong waterproof corner
- Allows for substrate movement in walls and floors while maintaining waterproof integrity



6" Seam Tape

Seam tape is a double-stick elastomeric tape designed to seal and waterproof seams, joints, floor-to-wall transitions and more.

Features and Benefits

- Suitable for interior and exterior use
- Installed with an NAC primer
- Creates a water-tight seal
- Same day flooring installation



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