



Waterproofing, Anti-Fracture and Sound Control Membranes



Globally Proven Construction Solutions



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THE LATICRETE SOLUTION

Ensure a successful installation each and every time with the most comprehensive assortment of membranes available on the market today. LATICRETE® products provide complete system solution for Waterproofing, Sound Control, Uncoupling & Anti-fracture in commercial, industrial, and residential applications.

All membranes are designed to work with the rest of our suite of products, providing a best in class installation backed by an industry-leading warranty for enhanced piece of mind and quality of work.

Waterproofing – Pools, water features, showers and steam rooms

Sound Control – Noise reduction capabilities for both commercial and residential applications


Uncoupling/Anti-fracture – To prevent the substrate stresses from transmitting up through the tile and stone installation

WARRANTIES

LATICRETE offers the best system warranties in the industry Unmatched Peace of Mind

LATICRETE takes pride in delivering comprehensive system warranty packages and superior service through industry-leading support. With training from our highly experienced technical support team and quick, easy access to supportive online tools, we provide everything you need to ensure high-performance solutions.

LATICRETE LIFETIME YEAR SYSTEM WARRANTY*	
United States and Canada	
See Data Sheet 230.99 for complete warranty information.	
APPLICATION	PRODUCTS
Uncoupling	STRATA_MAT™, STRAT_MAT XT
Waterproofing/ Anti-Fracture	HYDRO BAN® HYDRO BAN XP 9235 Waterproofing Membrane HYDRO BAN Quick Cure Waterproofing Membrane



Lifetime warranty is for residential projects only

* See Data Sheets 230.99 and 025.0 for complete warranty information.

Consult our website at www.laticrete.com for the most current versions of product data sheets, warranties, and SDS.

Content of this brochure is for informational purposes only. Refer to individual product data sheets and warranties for complete information.

© United States Patent No.: 9,016,018B2 (and other Patents).

LATICRETE 25 YEAR SYSTEM WARRANTY*	
See Data Sheet 025.0 for complete warranty information.	
APPLICATION	PRODUCTS
Sound Control/ Anti-Fracture	125 TRI MAX® 170.3 Sound & Crack Isolation Mat, 170.5 Sound & Crack Isolation Mat FRACTURE BAN™ 40, 90 and FRACTURE BAN Primer
Uncoupling	STRATA_MAT, STRATA_MAT XT
Waterproofing/ Anti-Fracture	HYDRO BAN Cementitious Waterproofing Membrane



25 year warranty is for commercial projects

OVERVIEW

Cracked tile is an eyesore and typically becomes the focal point of an otherwise flawless flooring application. LATICRETE® anti-fracture products and kits offer unparalleled performance and ease of use on tile floors, whether you choose a peel and stick membrane, adhesive mortar or a liquid crack isolation membrane. Anti-fracture product benefits include: easy installation, clean up with water, meets ANSI A118.12 and most are GREENGUARD Certified, so you can breathe easy knowing that they meet appropriate indoor air quality standards for volatile organic compounds (VOCs). In addition to providing traditional crack isolation solution, a number of the products we offer also provide feature sound control, water-proofing and adhesive capabilities. We help build a tailored solution for any job, backed by a best in class warranty!

STANDARDS

LATICRETE is committed to producing products that both adhere to and exceed all of the applicable ANSI standards. All relevant documentation is available upon request in addition to being stored on our web-site on the individual product pages.



In order to demonstrate code compliance, LATICRETE successfully completed independent testing in accordance with the following:

ANSI A118.10

American National Standard Specification for Load Bearing Bonded Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone Installation

ANSI A118.12

American National Standard Specification for Crack Isolation Membranes for Thin-Set Ceramic Tile and Dimension Stone Isolation

ANSI A118.13

American National Standard Specification for Bonded Sound Reduction Membranes for Thin-Set Ceramic Tile Installation

ONLINE TOOLS

Industry-Leading Training and Support

UL GREENGUARD Gold Certification

LATICRETE® low-VOC products are independently certified. Our products help you contribute toward LEED certification.



LEED Support

Our online project certification tool automatically generates required LATICRETE product information for your specific LEED project submittals.

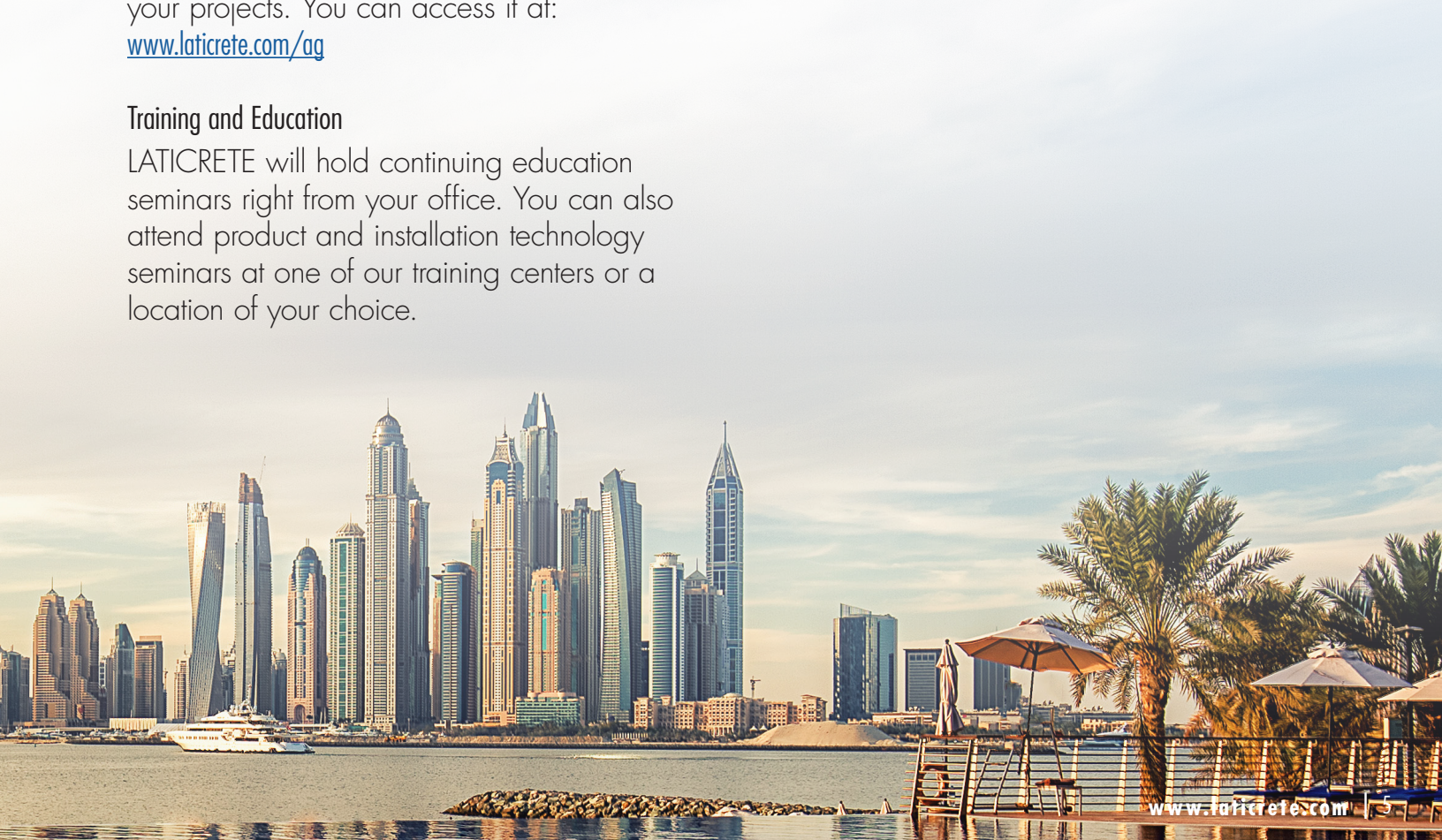
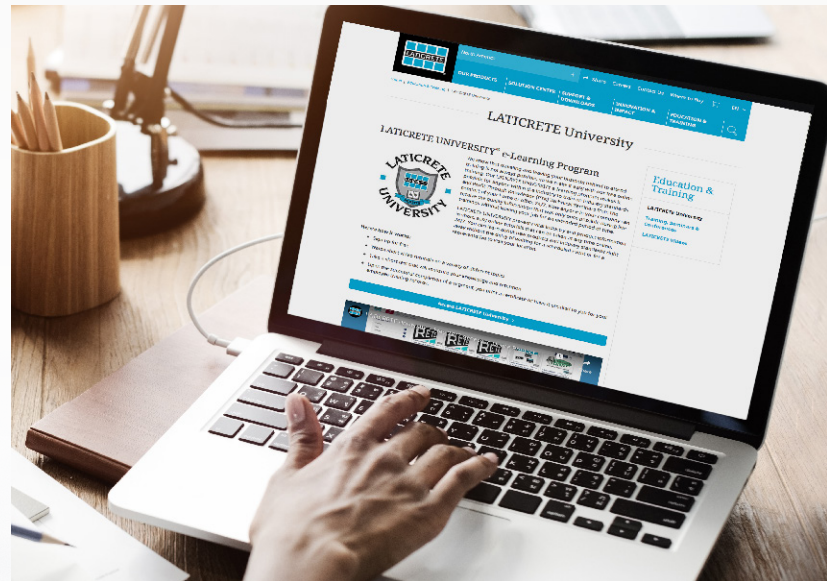
LATICRETE Architectural Guidebook

Use this informative online tool to get complete specifications and details for your projects. You can access it at:

www.laticrete.com/ag

Training and Education

LATICRETE will hold continuing education seminars right from your office. You can also attend product and installation technology seminars at one of our training centers or a location of your choice.



ANTI-FRACTURE

Anti-fracture products and kits offer unparalleled performance and ease of use on tile floors, whether you choose a peel and stick membrane, adhesive mortar or a liquid crack isolation membrane.

BLUE 92 ANTI-FRACTURE MEMBRANE AND CRACK SUPPRESSION KIT

Refer to Data Sheets 647.0, 648.0, and WPAF.5
9200-0001-2/9200-0001-2-4



A 2-part system that forms a flexible, full-coverage membrane that reduces crack transmission from the substrate to floor finishes.

FEATURES/BENEFITS:

- Easy to install; cleans up with water
- EXTRA heavy service rating per ASTM C627 (TCNA)
- Passes ANSI A118.12 anti-fracture performance up to 1/8" (3 mm)

PACKAGING:

Kit: 2 gallon (7.6 L) jug of liquid, 1 each 15" (38 cm) wide roll of Waterproofing/Anti-Fracture Fabric packed together in one carton; 36 cartons per pallet.

Full Unit: 5 gallon (19 L) pail liquid; 1 carton Waterproofing/Anti-Fracture Fabric, packed separately, 36 units per pallet.

Approximate Coverage

75 linear ft/unit (23 m) at 15" (37.5 cm) wide
300 ft² (28 m²) per full unit

MICROBAN



FRACTURE BAN™ SC

Refer to Data Sheet 544.0
9209-0035-2



FRACTURE BAN™ SC is a thin, load bearing, self-curing liquid rubber polymer that can be easily applied in a single coat to form a flexible seamless anti-fracture membrane.

FEATURES/BENEFITS:

- Exceeds ANSI A118.12
- Anti-fracture protection of up to 1/8" (3 mm) over shrinkage and other non-structural cracks
- Rapid drying for a faster time to tile
- Single coat application

PACKAGING:

3.5 gal (13.2 L) pail - 36 units per pallet

1 gal (3.8 L) pail - 30 cartons per pallet

Approximate Coverage

3.5 gal 175 ft² (16.2 m²)
1 gal 50 ft² (4.6 m²)

MICROBAN





WATERPROOF/ANTI-FRACTURE

Waterproofing membrane products provide protection for floors and walls for applications ranging from occasionally wet, to continuous water submersion as in pools. Choose from liquid waterproofing membranes which can be applied for both waterproofing and as a crack isolation membrane/anti-fracture, or waterproofing sheet membranes which allow for a quick, easy waterproof installation.

HYDRO BARRIER™ Plus

Refer to Data Sheet 1216
9265-0401-4/9265-0035-2/9265-0005-2



A thin, load-bearing, self-curing, liquid rubber polymer easily applied to form a flexible, seamless waterproofing, anti-fracture membrane.

FEATURES/BENEFITS:

- Flood test in 12 hours*
- No fabric required for corners and coves
- IAPMO approved for shower pan liner
- Meets or exceeds the requirements for waterproofing and crack isolation up to 1/8" (3 mm)

PACKAGING:

5 gal (18.9 L) pail; 36 units per pallet
3.5 gal (13.2 L) pail; 48 units per pallet
4 x 1 gal (3.8 L) pail; 30 cartons per pallet

*Refer to applicable Data Sheet for specific installation instructions

Approximate Coverage	
5 gal	250 ft ² (23.2 m ²)
3.5 gal	175 ft ² (16.4 m ²)
1 gal	50 ft ² (4.7 m ²)

9235 WATERPROOFING MEMBRANE

Refer to Data Sheets 236.0 and WPAF.5
9235-0001-2/9235-0401-2



A thin, load-bearing waterproofing designed specifically for the special requirements of ceramic tile, stone and brick installations. A self-curing liquid rubber polymer and a reinforcing fabric are quickly applied to form a flexible, seamless waterproofing membrane that bonds to a wide variety of substrates.

FEATURES/BENEFITS:

- Industry approved as a shower pan liner
- Provides anti-fracture protection up to 1/8" (3 mm)
- Can be installed using a paint roller or brush
- Non-hazardous; meets LEED and VOC requirements

PACKAGING:

6 gal (22.7 L) pail; 1 carton Waterproofing/Anti-Fracture Fabric, packed separately; 36 units per pallet
2 gal (7.6 L) pail and Waterproofing/Anti-Fracture Fabric, packed together in one pail 48 pails per pallet

Approximate Coverage	
6 gal	300 ft ² (27.9 m ²)
2 gal	75 ft ² (7 m ²)



MICROBAN



MICROBAN



HYDRO BAN® QUICK CURE

Refer to Data Sheet 670.4
9266-0001-2



A rapid, thin, liquid applied ready-to-use waterproofing membrane that is ANSI A118.10 Compliant. Featuring Wet-Cure technology, this allows curing even in humid, cold and damp environments. HYDRO BAN® Quick Cure allows for flood testing in as soon as 30 minutes* allowing contractors to install a shower system all in one day.

FEATURES/BENEFITS:

- Interior
- Shower pans, stalls and tub surrounds
- Thin; only 0.012" (0.3 mm) thick when cured
- Wet-Cure Technology — Can be used in humid, cold and damp environments.
- Allows for flood testing in 30 min. at 70°F (21°C) or higher*
- Bonds directly to metal, PVC and ABS plumbing fixtures
- Exceeds ANSI A118.10
- No solvents, non-flammable
- Eco-friendly, Low VOC

PACKAGING:

1 gal (3.8 L) Pail

* at 70°F (21°C) or higher.

Approximate Coverage

1 gal: 134 ft²/gal (12.4 m²/3.8 L)



HYDRO BAN CEMENTITIOUS WATERPROOFING MEMBRANE

Refer to Data Sheet 628.7
9259-0030-2



A one component, polymer fortified, cement based waterproofing material that mixes only with water. HYDRO BAN Cementitious Waterproofing Membrane handles negative and positive hydrostatic pressure up to 2 BARS (29 PSI) when applied at 40 mils (1 mm) thick. Flood test within 2 hours.

FEATURES/BENEFITS:

- Interior and exterior
- Swimming pools, fountains, water features, spas and hot tubs
- Can be used under pool plasters
- Bonds directly to metal, PVC and ABS plumbing fixtures
- Exceeds ANSI A118.10 and A118.12 (with mesh) ISO 13007-5 CMP

PACKAGING:

30 lb (13.6 kg) Bag

Approximate Coverage

At 40 mil (1 mm) Thick - 120 ft² (11.2 m²)



HYDRO BAN® XP

Refer to Data Sheet 36642 and 10003
9250-0005-2/9250-0401-2



HYDRO BAN

Refer to Data Sheet 663.0 and 663.5
9255-0005-2/9255-0401-2



A premium, thin, load bearing waterproofing/crack isolation membrane with extreme performance. HYDRO BAN XP is specifically designed to handle a wide variety of environmental/substrate conditions, such as substrate temperatures as low as 35°F (2° C) and can also be used in steam showers and steam rooms.

FEATURES/BENEFITS:

- Flood test in 2 hours after fully cured*
- Bonds directly to metal and PVC plumbing fixtures*
- No fabric required*
- Anti-fracture protection of up to 1/8" (3 mm)
- Meets ANSI A118.10 and A118.12
- Steam shower and steam room rated
- IAPMO and ICC approved
- Lighter color for enhanced visibility and easier layout

PACKAGING:

5 gal (18.9 L) pail - 36 units per pallet
4 x 1 gal (3.8 L) pails of liquid packed in a carton
30 cartons per pallet

Approximate Coverage

5 gal	250 ft ² (23.2 m ²)
1 gal	50 ft ² (4.7 m ²)

A thin waterproofing anti-fracture membrane that combines optimum performance and unmatched productivity. HYDRO BAN is rapid drying allowing for a faster tiling time and flood testing in just 2 hours* after final cure, as well as faster flood testing in cold temperatures and over mortar beds. Save yourself time and money, and complete your installations faster with greater ease.

FEATURES/BENEFITS:

- Flood test in 2 hours*
- Bonds directly to metal and plastic plumbing fixtures
- No fabric required*
- Anti-fracture protection up to 1/8" (3 mm)
- IAPMO and ICC approved

PACKAGING:

5 gal (18.9 L) pail - 36 units per pallet
4 x 1 gal (3.8 L) pails of liquid packed in a carton
30 cartons per pallet

Approximate Coverage

5 gal	250 ft ² (23.2 m ²)
1 gal	50 ft ² (4.7 m ²)

*Refer to applicable Data Sheet for specific installation instructions

*Refer to applicable Data Sheet for specific installation instructions

MICROBAN



MICROBAN



HYDRO BAN® SHEET MEMBRANE

Refer to Data Sheet 041.0
9455-0108-2/9455-0323-2



Two convenient roll sizes for large and small installations. Can be used in steam showers as a vapor barrier/waterproofing membrane.

FEATURES/BENEFITS:

- Easy to cut and embed — conforms easily to irregular substrates
- Durable polypropylene surface fused to the core for optimal bond strength and integrity
- Allows for usage of polymer-modified or unmodified mortar — use proper mortar for the job
- Code approved; meets ANSI A118.10

Available Sizes

3'3" x 98'5" = 323 ft² (1 m x 30 m = 30 m²)
38 rolls per pallet

3'3" x 33' = 108 ft² (1 m x 10 m = 10 m²)
120 rolls per pallet



HYDRO BAN SEALING TAPE

Refer to Data Sheet 041.0
9211-3750-2/9212-5625-2/9455-0516-2/9455-0598-2



Two convenient widths — 5" (125 mm) and 7.25" (185 mm) to meet any job requirement. Each available in two roll lengths. Use in combination with HYDRO BAN® Board for Steam Showers.

FEATURES/BENEFITS:

- Easy to cut and embed — conforms easily to irregular substrates
- Durable polypropylene surface fused to the core for optimal bond strength and integrity
- Allows for usage of polymer-modified or unmodified mortar — use proper mortar for the job
- Code approved; meets ANSI A118.10

Available Sizes

5" x 16'5" (125 mm x 5 m)
individually packaged — 12 per carton

5" x 98'5" (125 mm x 30 m)
individually packaged — 1 per carton

7.25" x 16'5" (185 mm x 5 m)
individually packaged — 12 per carton

7.25" x 98'5" (185 mm x 30 m)
individually packaged — 1 per carton



HYDRO BAN® PREFORMED CORNERS

Refer to Data Sheet 041.0
9455-0002-IC/9455-0002-OC



HYDRO BAN® Prefomed Corners make waterproofing fast, easy and reliable. Use in conjunction with HYDRO BAN Sheet Membrane, Sealing Tape and Collars. Use in combination with HYDRO BAN Board for steam showers.

FEATURES/BENEFITS:

- Sturdy and pliable, conforms easily

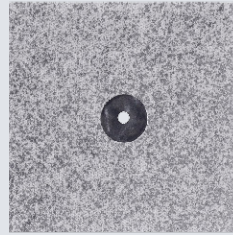
PACKAGING:

Inside Corners: 2 per package — 12 per carton
Outside Corners: 2 per package — 12 per carton



HYDRO BAN COLLARS AND MIXING VALVE SEAL

Refer to Data Sheet 041.0
9455-0034-PC/9455-0938-MV



Pre-formed to ensure an easier and more secure installation. (Can also be used with HYDRO BAN liquid applied waterproofing membrane.) Use in combination with HYDRO BAN Board for steam showers.

FEATURES/BENEFITS:

- Interior applications
- Showers or tub surrounds
- Complete line of accessories — single source supply

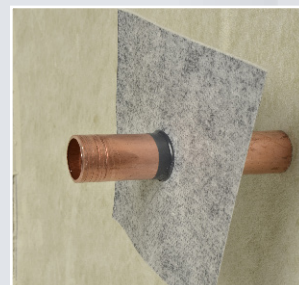
PACKAGING:

3/4" (20 mm) Pipe Collar — 1 per bag
4-1/2" (114 mm) Mixing Valve, 10 per carton

Available Sizes

3/4" (20 mm) Pipe Collar for use with 1/2" - 3/4" pipe (12.7 - 20 mm) packaged individually, 12 per carton

4-1/2" (114 mm) Mixing Valve Collar packaged individually, 10 per carton





SOUND CONTROL/ANTI-FRACTURE

When specifications call for noise reduction or you wish to make your flooring installation more sound reducing, choose from LATICRETE® sound dampening products, for use in both residential and commercial settings. LATICRETE has developed a line of professional grade sound control products including peel and stick membranes, adhesive mortar and an acoustical underlayment system that provides noise reduction as well as anti-fracture and crack prevention benefits. In addition, LATICRETE sound dampening products achieve high delta IIC ratings, and are backed by unmatched warranties, providing assurance of an effective, long-lasting and quiet installation.

FRACTURE BAN™ 40 40 mils thick (1 mm)

Refer to Data Sheet 155.0
0178-0040-2/0178-0090-2

FRACTURE BAN 90 90 mils thick (2.3 mm)

Refer to Data Sheet 155.0
0178-0040-2/0178-0090-2



A high performance, pliable, light weight peel and stick membrane designed for use under ceramic tile, stone and other hard surface installations. Anti-Fracture: helps to prevent the transmission of horizontal in plane cracks from the substrate, up to 3/8" (9.5 mm), transmitting up through the tile and stone.

SOUND CONTROL:

FRACTURE BAN™ 40 has a Δ IIC of 14 and FRACTURE BAN 90 a Δ IIC of 17 through independent ASTM E2179 testing.

FEATURES/BENEFITS:

- Hot-applied polymer modified asphaltic adhesive coated on a 100% polyester non-woven with a 60# release liner paper
- Has a white non-woven surface for easy chalk line identification
- Acts as a water resistive barrier

PACKAGING:

40 (GOOD)

One roll of FRACTURE BAN 40 is 40 mils (1 mm) thick 39.25 in. x 69 ft (1 m x 21 m) or 225 ft² (21 m²), 24 rolls per pallet.



90 (BETTER)

One roll of FRACTURE BAN 90 is 90 mils thick (2.3 mm) 39.25 in. x 30.6 ft (1 m x 9.33 m) or 100 ft² (9.3 m²), 24 rolls per pallet.



Approximate Coverage

One roll of FRACTURE BAN™ 40 covers 225 ft² (20.9 m²)
One roll of FRACTURE BAN 90 covers 100 ft² (9.3 m²)

FRACTURE BAN PRIMER

Refer to Data Sheet 156.0
0178-0401-2/0178-0005-2/0178-0245-2



A concentrated premium quality, water-based primer designed to be applied prior to the installation of FRACTURE BAN membrane. FRACTURE BAN Primer penetrates deeply into substrates and maximizes bond strength of the FRACTURE BAN peel and stick membrane to the substrate.

FEATURES/BENEFITS:

- Multi-purpose and can be used on a wide range of substrates
- May be broom, roller, or spray applied
- Penetrates deeply into substrates and maximizes bond strength

*Use in accordance with FRACTURE BAN 40/90 per instructions in Data Sheet 155.0 packaging:

4x1 gal (4x 3.8 L) carton, 48 per pallet
5 gal (18.9 L) plastic pail, 28 per pallet
245 gal (927.4 L) heavy-duty intermediate bulk container (IBC)

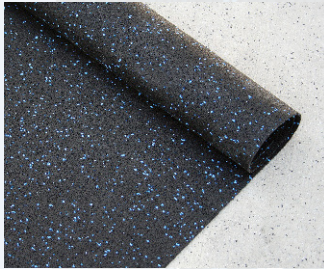


Approximate Coverage

When diluted, 1 gal (3.8 L) of concentrate will cover approximately 285 ft² (26.5m²).

170.3 SOUND & CRACK ISOLATION MAT

Refer to Data Sheet 170.0
0170-0150-2



A 3 mm thick underlayment membrane that provides sound reduction and anti-fracture protection for tile or stone installations.

FEATURES/BENEFITS:

- Isolates cracks up to 1/8" (3 mm)
- Δ IIC rating – 14 per ASTM E2179
- LIGHT RATING per ASTM C627 (TCNA)
- Contains 88.5% post-consumer recycled content

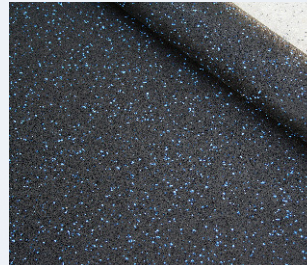
PACKAGING:

150 ft² (13.9 m²) roll, 20 rolls per pallet



170.5 SOUND & CRACK ISOLATION MAT

Refer to Data Sheet DS35615.0
0176-0120-2



A 5 mm high-performance acoustical underlayment system that is comprised of 88.5% post-consumer recycled materials.

FEATURES/BENEFITS:

- Isolates transmission of substrate cracks of up to 1/8" (3 mm) from transferring to the finished floor
- Delta IIC rating of 22 per ASTM E2179
- IIC rating of 50 per ASTM E492/ E989
- Load bearing - "Light" service rating per ASTM C627/TCA
- Meets ANSI A118.12 specifications
- Easy and fast to install with standard tools content

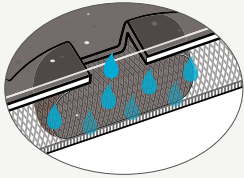
PACKAGING:

150 ft² (13.9 m²) roll, 20 rolls per pallet



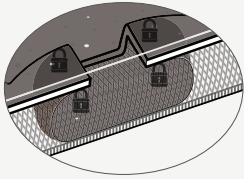
UNCOUPLING

Choose STRATA_MAT™, an uncoupling membrane designed to minimize the floor height gain from tile installation materials in both residential and commercial applications (including porcelain or large format tiles). This translates into less work by providing instant coverage verification, faster drying of mortar and a shorter time to grout!



Mortar Hydration Vents

Accelerates thin-set curing for faster dry time of porcelain and larger format tiles—grout the next day



Mechanical Bond

Thin-set mortar forms a mechanical bond to STRATA_MAT™ surface for greater strength



Instant Coverage Verification

Translucent color indicates proper mortar coverage under STRATA_MAT



STRATA_MAT™

Refer to Data Sheet 026.0
0177-0323-2 / 0177-0150-2



STRATA_MAT XT

Refer to Data Sheet 028.0
0177-0150-XT



The Next Generation Uncoupling Mat for use under residential and commercial ceramic tile and stone installations, replacing traditional underlayment materials. Enhances the mechanical bond of adhesive mortar for faster drying and shorter wait times for grouting. Available in the standard STRATA_MAT™ 1/8" (3 mm) version and STRATA_MAT XT 5/16" (8 mm) thickness. Use STRATA_MAT XT when installing typical 1/4" to 3/8" (6 to 9 mm) thick tile adjacent to 3/4" (19 mm) hardwood flooring.

FEATURES/BENEFITS:

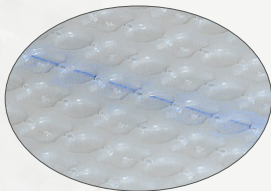
- Isolates transmission of in-plane substrate cracks of up to 1/8" (3 mm)
- Lightweight, easy to carry, and fast to install with standard tools
- Use the appropriate mortar for the tile; polymer modified or unmodified mortar
- Moisture Sensitive Tile and Stone, allows for installation of green marble and moisture sensitive stones with LATAPOXY® 300 thin-set mortar

PACKAGING FOR STRATA_MAT:

- 323 ft² roll - 45" x 86' (30 m² - 1.1 m x 26.2 m)
12 rolls per pallet
- 150 ft² roll - 45" x 40' (13.9 m² - 1.1 m x 12.2 m)
20 rolls per pallet

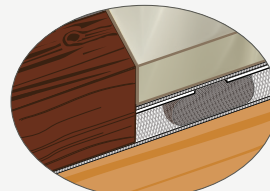
PACKAGING FOR STRATA_MAT XT:

- 150 ft² roll - 45" x 40' (13.9 m² - 1.1 m x 12.2 m)
6 rolls per pallet



EASY LAYOUT

Chalk lines are easily visible



STRATA_MAT XT

At 5/16" (8 mm) thick STRATA_MAT XT creates an even transition between typical 1/4" to 3/8" (6 to 9 mm) thick tile and 3/4" (19 mm) thick hardwood flooring.



MULTI-PURPOSE

In addition to various combo products listed above the LATICRETE as offers an industry first 3 in 1 HYBRID which combines the properties of a sound & crack isolation while acting as its own adhesive!



Three Products in One Thinset with Maximum Performance.

125 TRI MAX® provides incredible sound isolation protection while simultaneously protecting the tile or stone finish from any cracking by reducing the transmission of stresses in the substrate through to the tile or stone finish. 125 TRI MAX is a single component adhesive mortar which takes the place of costly time consuming anti fracture membrane or mat systems by allowing for faster more effective tile or stone installations. Replace sheet or liquid membrane and thinset combinations for crack isolation and sound reduction with one product saving time, labor and money.

125 TRI MAX is a superior crack prevention and sound reduction adhesive mortar. It prevents the transmission of cracks from the approved substrates to the tile or stone finish when subjected to horizontal in plane movement of cracks up to 1/8" (3 mm) under normal usage. It can be used for thin-bed or medium-bed applications and used with any size tile or stone.

125 TRI MAX®

Refer to Data Sheet DS-24
0125-0025-21

FEATURES/BENEFITS:

- 3 in 1 for Sound & Crack Isolation Membrane that also acts as an adhesive
- Eliminates transmission of substrate cracks of up to 1/8" (3 mm) from transferring to the finished floor
- Delta IIC rating of 16 per ASTM E2179
- Install tile fast reducing labor and material cost by 15 to 20%

PACKAGING SIZES:

25 lb (11.4kg) Bag

MICROBAN®



3 products in one large heavy tile mortar for maximum performance.



Dramatically Reduces Install Time

There isn't a faster, easier way to get anti-fracture and sound deadening performance! Eliminates labor cost and time associated with peel and stick mats, rubber sheets or liquid and fabric systems. 125 TRI MAX is field proven and the product is backed by an available LATICRETE 25 Year System Warranty*. No other company or product offers that kind of value.

- 30% faster than membrane and thin-set installations
- Saves up to 20% on material and labor costs

Sound Control Ratings in Detail

IIC - STC Rating Scale		
Rating	Overall	Comments
IIC-STC 70	Best	Virtually sound proof No complaints of busy noise
IIC-STC 60	Better	Best-in-class sound proofing Minimal complaints Can still hear low frequency busy noise
IIC-STC 50	Good	Threshold for International Building Code loud speech not audible Reduced impact-vibration noise
IIC-STC 44	Below average	Below International Building Code threshold Impact speech and sound impact
IIC-STC 39	Unsatisfactory	No sound proofing Loud speech and impact noise clearer audible

IIC DELTA CHART				
Δ IIC IMPROVEMENT	5 Δ IIC (IIC33)	10 Δ IIC (IIC38)	20 Δ IIC (IIC48)	30 Δ IIC (IIC58)
APPROX. % REDUCTION IN AUDIBLE SOUND	15% REDUCTION	50% REDUCTION	75% REDUCTION	88% REDUCTION

International Building Code:

The International Code Council says the 'minimum' acceptable level of performance for both STC and IIC is 50-IIC). The "preferred" level of performance for STC and IIC is 60.

An IIC and STC rating will generally be 5 points higher than a F-IIC and F-STC rating which indicate tests conducted in the field where flanking is not as controllable - hence the 5-point variance.

IIC - Impact insulation class (or IIC) is a number rating of how well a building floor reduces impact sounds, such as footsteps. A larger number means reduction in sound. The IIC is derived from ASTM E989, which in turn uses a tapping machine specified in ASTM E492.

The IIC number is derived from sound reduction values tested at sixteen standard frequencies from 100 to 3150 Hz. "Real world" footstep noise is also generated at frequencies below 100 Hz, so the IIC value may not accurately describe the complete noise reduction profile of a floor.

STC - Sound Transmission Class (or STC) is a number rating of how well a building partition reduces airborne sound. In the US, it is widely used to rate interior partitions, ceilings, floors, doors, windows and exterior wall configurations. The STC rating very roughly reflects the decibel reduction of noise that a partition can provide. The STC is useful for evaluating annoyance due to speech sounds, but not music or machinery noise as these sources contain more low frequency energy than speech.

DELTA - The Delta IIC rating shows what the product adds to the assembly in terms of isolating impact footfall noise. The Delta IIC test starts by testing a full assembly, typically six to eight inches of concrete (this is not a test conducted for wood structures), with nothing above or below the concrete. Then an acoustic underlayment installs directly to the concrete, and the same test repeats. The Delta IIC rating is the performance gain between the first and second test. A higher number shows better performance.

The Delta IIC rating is the best sound rating to consider when comparing the performance of different types of underlayment. It keeps the manufacturers from promoting misleading results obtained by using materials or methods of isolation that the average assembly does not use. This test is only relevant for concrete structures. Products with high Delta IIC ratings won't necessarily perform well in wood structures and vice versa for products that perform well in wood structures.



COMPARISON CHART

Product	Sound Control	Anti-Fracture	Waterproofing	Vapor Barrier	Recycled Material	Anti-Microbial	Greenguard
Crack Supression Kit		✓				Microban®	✓
Blue 92 Anti-Fracture Membrane		✓				Microban	✓
FRACTURE BAN™ SC		✓				Microban	
HYDRO BARRIER™ Plus		✓	✓			Microban	✓
9235 Waterproofing Membrane		✓	✓			Microban	✓
HYDRO BAN® Cementitious Waterproofing Membrane		✓	✓				✓
HYDRO BAN Quick Cure		✓	✓				✓
HYDRO BAN		✓	✓			Microban	✓
HYDRO BAN XP		✓	✓	✓		Microban	✓
FRACTURE BAN™ 40	✓	✓					
FRACTURE BAN 90	✓	✓					
170.3 Sound & Crack Isolation Mat	✓	✓			✓	Anti-Microbial	
170.5 Sound & Crack Isolation Mat	✓	✓			✓	Anti-Microbial	
STRATA_MAT™		✓					✓
STRATA_MAT XT		✓					✓
125 TRI MAX®	✓	✓				Microban	✓

Refer to applicable Data Sheet for specific installation instructions.





LATICRETE International, Inc. ■ One LATICRETE Park North, Bethany, CT 06524-3423 USA ■ 1.800.243.4788 ■ +1.203.393.0010 ■ www.laticrete.com

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