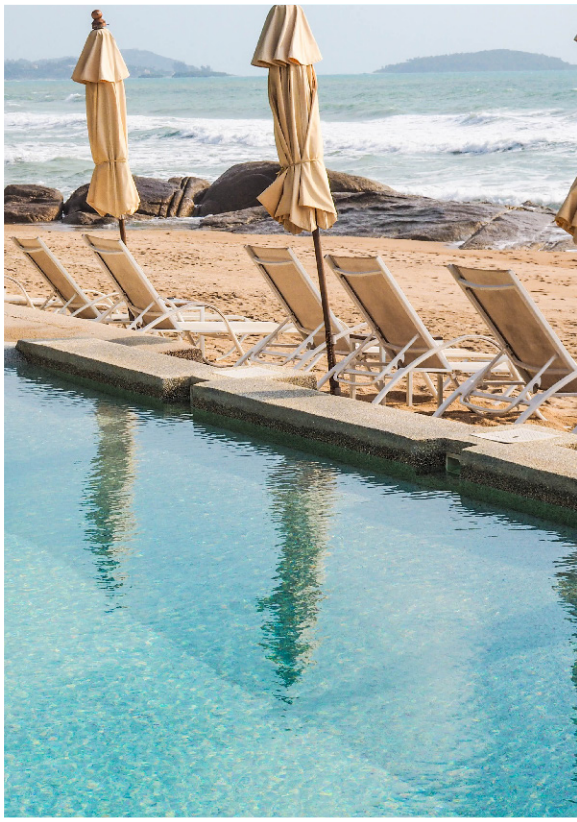
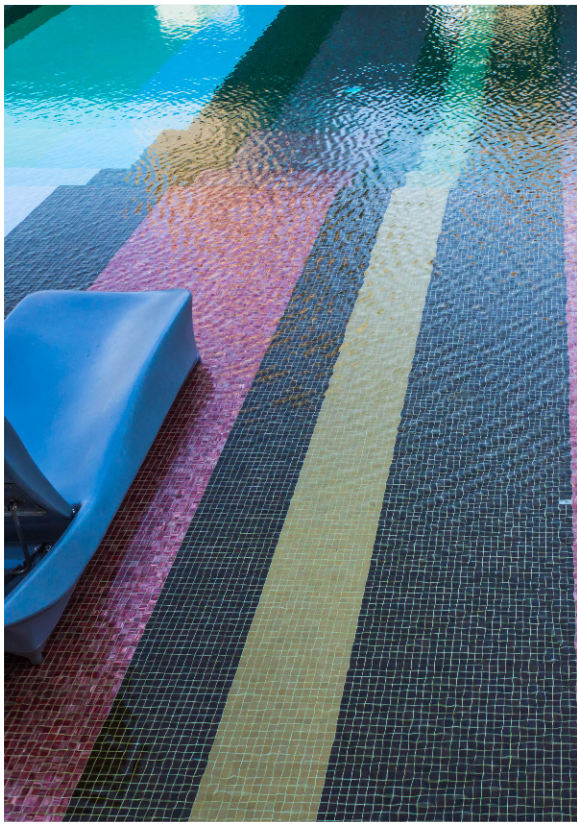
Pool and Spa Systems





Globally Proven Construction Solutions

Contents

Pool and Spa System 3

Pool and Drain Details 4

Mortars 4

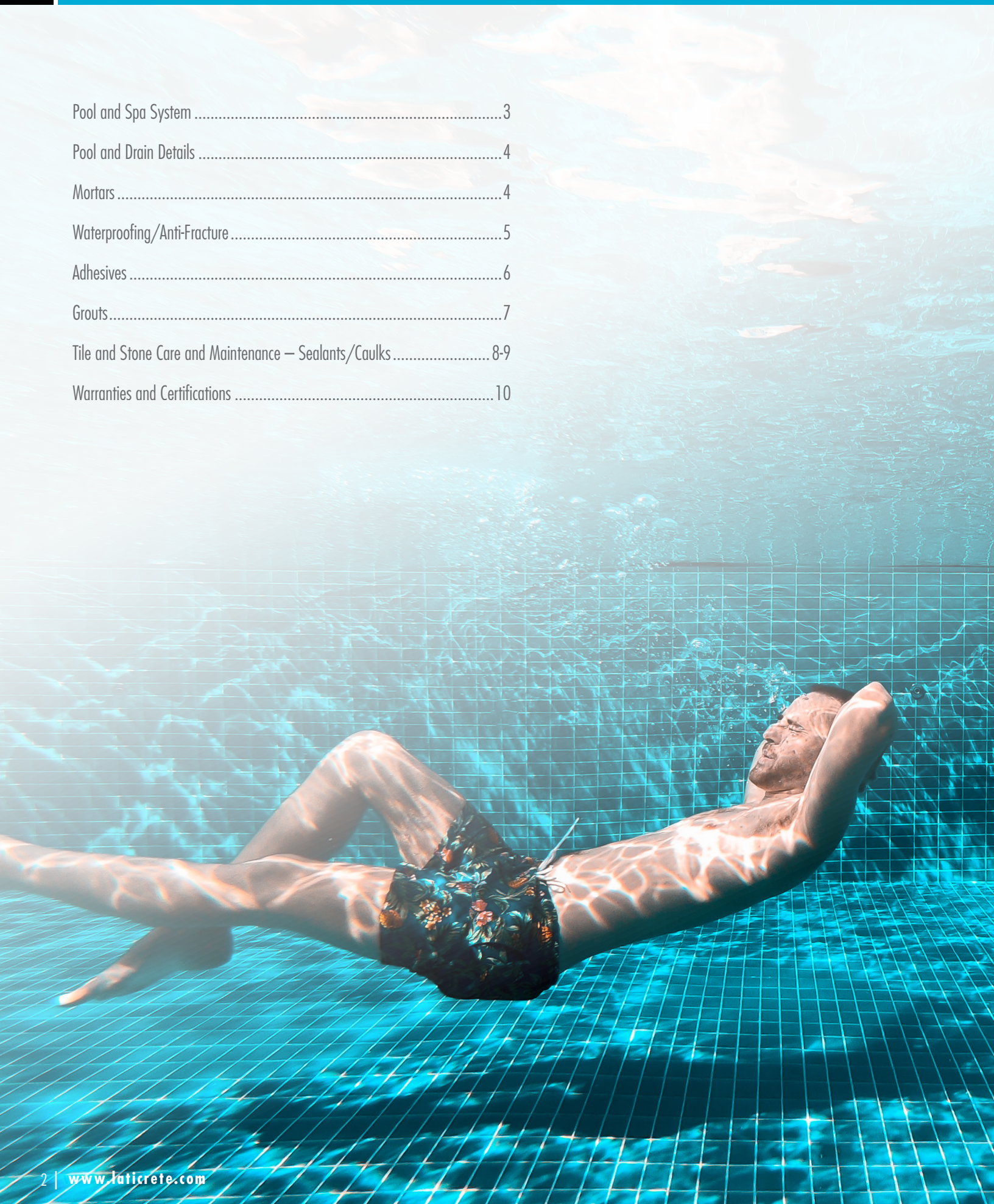
Waterproofing/Anti-Fracture 5

Adhesives 6

Grouts 7

Tile and Stone Care and Maintenance – Sealants/Caulks 8-9

Warranties and Certifications 10



The Pool and Spa System is composed of time and job proven LATICRETE® tile installation products which have been successfully installed around the world for over 65 years. It provides single source responsibility for these demanding, high performance applications.

The LATICRETE System offers the latest technology in construction materials and methods, delivering superior performance.

The Pool and Spa System is resistant to pool chemicals*, shock treatment*, pH imbalance of water*, and has the flexibility and high strength to accommodate differential movement caused by moisture expansion and drying shrinkage.

Single Source Systems Approach for Pools and Spas:

- LATICRETE polymer fortified and epoxy adhesives provide greater bond strength than ANSI A118.15 and ANSI A118.3 requirements
- LATICRETE polymer fortified adhesives and epoxy grouts provide superior resistance to attack from pool water treatment chemicals and pH imbalance
- Single source supply of key accessory items such as waterproofing, tile adhesives, grouts, sealants, and underlayments
- Easy-to-install, water-cleanable products which reduce labor, material costs and maintenance

In Addition, the LATICRETE® System Provides:

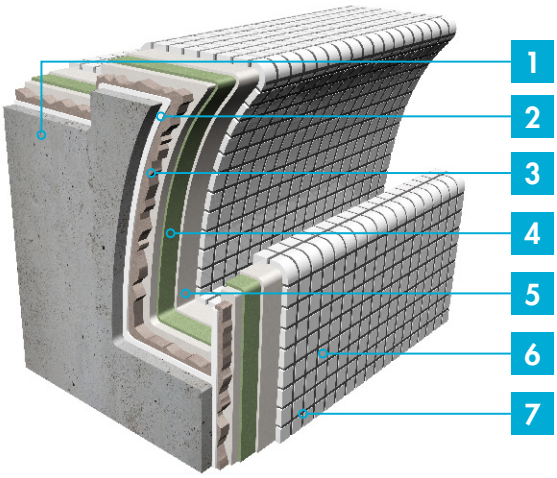
- Long lasting installations
- Technical services – helping your architectural staff with proper specifications and details
- Job site assistance – when and where you need it
- Warranty – written labor and materials

*Under normal conditions. For best performance and resistance to pool water chemicals and chemistry, the use of SPECTRALOCK® PRO Premium Grout† is highly recommended.

Pool and Drain Details

For over half a century architects, engineers and developers have trusted LATICRETE with their tile and stone installation needs. Let our global experience, product quality and technical support assist you on your next project – no matter where it is.

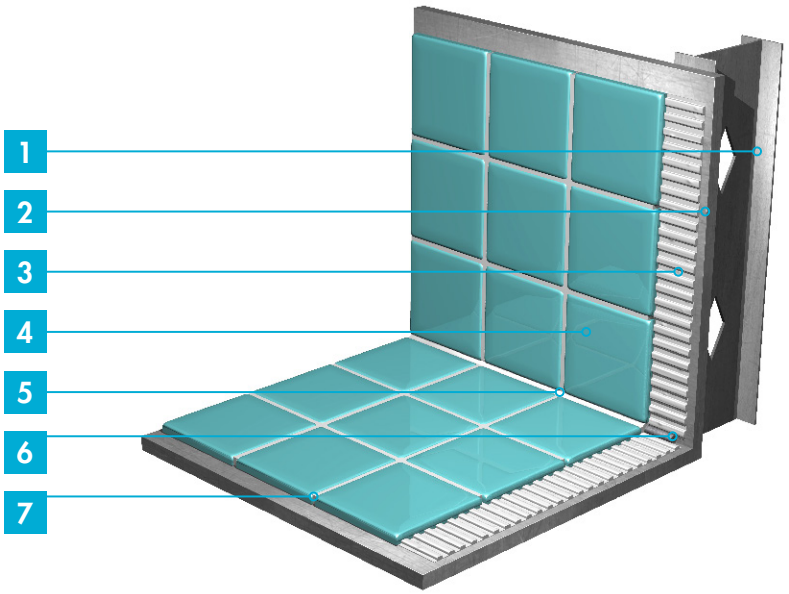
SWIMMING POOL GUTTER AND POOL DECK



CEMENT CONSTRUCTION

Layer	Description
1	Concrete Tank
2 (Waterproofing)	HYDRO BAN® Cementitious Waterproofing Membrane
3 (Mortar Bed)	3701 Fortified Mortar, 3701 Lite Mortar or 3701 Lite Mortar R^
4 (Waterproofing)	HYDRO BAN XP, HYDRO BAN, HYDRO BARRIER™ Plus or 9235 Waterproofing Membrane (Optional)
5 (Adhesive)	254 Platinum, 257 TITANIUM™, MULTIMAX™ Lite or Glass Tile Adhesive Lite
6	Ceramic Tile
7 (Grout)	SPECTRALOCK® PRO Premium Grout†, SPECTRALOCK 1, PERMACOLOR® Grout*, or PERMACOLOR Select*

^Use over a slurry bond coat of 254 Platinum, 257 TITANIUM or MULTIMAX Lite only for horizontal applications.



STEEL CONSTRUCTION

Layer	Description
1	Steel Framing
2	Stainless Steel Shell
3	LATAPOXY® 300 Adhesive or LATAPOXY BIOGREEN™ 300
4	Ceramic Tile or Stone
5	LATASIL™ with 9118 Primer
6	Flexible Foam Backer Rod
7	SPECTRALOCK® PRO Premium Grout

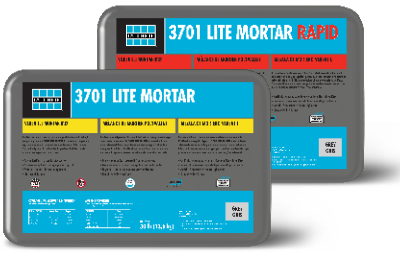
Note: Any of the LATICRETE® installation components (in this catalog) for each respective category can be used in a pool installation assembly.

†United States Patent No.: 6,881,768 (and other Patents).

*United States Patent No.: 6,784,229 B2 (and other Patents)

MORTARS

Performance Level: BEST
Warranty: 25 Year
Refer to Data Sheet 100.0



Performance Level: BEST
Warranty: 25 Year
Refer to Data Sheet 36590
(RAPID: Data Sheet 36603)

3701 FORTIFIED MORTAR

3701 Lite Mortar contains carefully selected polymers, portland cement and light weight aggregates. This produces a light weight mortar which can be used in vertical/overhead applications as well as a mortar bed. 3701 Lite Mortar contains no respirable crystalline silica levels that exceed the OSHA action level‡. Rapid version available for faster curing time.

3701 LITE MORTAR/ 3701 LITE MORTAR RAPID

3701 Lite Mortar contains carefully selected polymers, portland cement and light weight aggregates. 3701 Lite Mortar contains no silica sand and does not require the use of latex admix. Rapid version available for faster curing time.

‡ OSHA action level set forth in OSHA's Respirable Crystalline Silica (RCS) standard for construction, 29 CFR 1926.1153, as tested by an independent laboratory to be below the OSHA action level for respirable crystalline silica - see laticrete.com/silica

Choose from the widest product selection of installation systems in the industry. LATICRETE offers a complete line of tile and stone installation materials that meet and exceed applicable ANSI standards.

WATERPROOFING/ANTI-FRACTURE

Performance Level: GOOD
Warranty: 10 Year
Refer to Data Sheet 36640

HYDRO BARRIER™ PLUS

HYDRO BARRIER™ Plus does not require fabric on corners and coves and can be flood tested in 12 hours* after application. HYDRO BARRIER Plus is IAPMO approved to be used as a shower pan liner and offers anti-fracture protection up to 1/8" (3 mm).

Performance Level: BEST
Warranty: Lifetime
Refer to Data Sheets 36642 and 10003

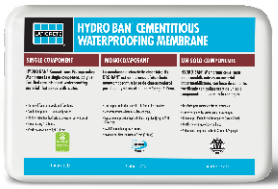
HYDRO BAN® XP

HYDRO BAN XP is 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.

Performance Level: BETTER
Warranty: Lifetime
Refer to Data Sheets
663.0 and 663.5

HYDRO BAN

HYDRO BAN requires no fabric and can be flood tested in 2 hours* after application. HYDRO BAN is IAPMO and ICC approved and offers anti-fracture protection up to 1/8" (3 mm). Cleans up easily with water.



Performance Level: BEST
Warranty: Lifetime
Refer to Data Sheet 628.7

HYDRO BAN CEMENTITIOUS WATERPROOFING MEMBRANE

HYDRO BAN Cementitious Waterproofing Membrane is 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.

Performance Level: BETTER
Warranty: Lifetime
Refer to Data Sheets
236.0 and WPAF.5

9235 WATERPROOFING MEMBRANE

9235 Waterproofing Membrane is "The Industry Standard" for wet areas and continuous water submersion applications.

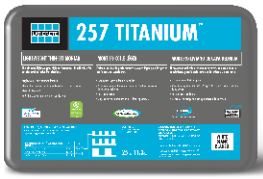
Performance Level: BEST
Warranty: 25 Year
Refer to Data Sheet 070.0

LATAPOXY® WATERPROOF FLASHING MORTAR

LATAPOXY® Waterproof Flashing Mortar is easy to apply using a trowel. It adheres to metal and PVC pipes and to LATICRETE® Waterproofing Membranes.

*See applicable product Data Sheets for complete installation instructions including flood testing.

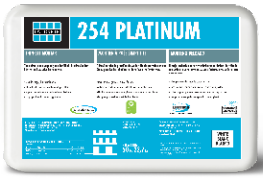
ADHESIVES



Performance Level: BEST
Warranty: Lifetime
Refer to Data Sheet 292.0

257 TITANIUM™

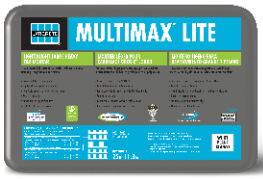
The ultimate adhesive for installing Gauged Porcelain Tile Panels/Slabs porcelain and glass tile as well as exterior and submerged applications. 257 TITANIUM™ also utilizes LATICRETE® HYDROMATIC CURE CHEMISTRY™. This technology accelerates the hydration process to rapidly consume the water in the system, allowing the material to cure in a predictable manner. 257 TITANIUM contains no respirable crystalline silica levels that exceed the OSHA action level‡. Exceeds ANSI A118.15



Performance Level: BEST
Warranty: Lifetime
Refer to Data Sheet 677.0

254 PLATINUM

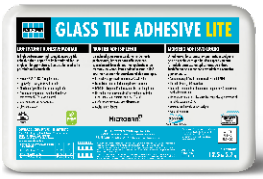
Premium one-step, polymer-fortified, thin-set mortar that provides unsurpassed strength and versatility. Ideal for interior, exterior, thin porcelain tile and thin porcelain tile panels, and submerged applications on virtually all substrates and applications. Exceeds ANSI A118.15.



Performance Level: BEST
Warranty: Lifetime
Refer to Data Sheet 34082

MULTIMAX™ LITE

The ultimate lightweight, versatile, high performance non-sag adhesive for Large and Heavy Tile, thin-bed and submerged applications. MULTIMAX Lite contains no respirable crystalline silica levels that exceed the OSHA action level‡. Exceeds ANSI A118.15



Performance Level: BETTER
Warranty: 25 Year
Refer to Data Sheet 36628

GLASS TILE ADHESIVE LITE

This high performance, lightweight, non-sag, polymer fortified adhesive mortar is specifically formulated for use with glass tile including submerged applications. Glass Tile Adhesive Lite contains no respirable crystalline silica levels that exceed the OSHA action level‡. Exceeds ANSI A118.15.

Performance Level: BEST
Warranty: Lifetime
Refer to Data Sheet 633.0

LATAPOXY® 300 ADHESIVE

A high-strength, three-part 100% solids epoxy adhesive formulated for steel substrate. Exceeds ANSI A118.3.

Performance Level: BEST
Warranty: Lifetime
Refer to Data Sheet 023.0

LATAPOXY BIOGREEN™ 300

A high strength, chemical resistant, epoxy adhesive that contains biobased materials derived from renewable resources. Exceeds ANSI A118.3.

BIO GREEN

‡ OSHA action level set forth in OSHA's Respirable Crystalline Silica (RCS) standard for construction, 29 CFR 1926.1153, as tested by an independent laboratory to be below the OSHA action level for respirable crystalline silica - see laticrete.com/silica

GROUTS

Performance Level: BEST
Warranty: Lifetime
Refer to Data Sheet 681.0

SPECTRALOCK® PRO PREMIUM GROUT†

With a working time of 80 minutes, SPECTRALOCK® PRO Premium Grout† can be used on both floors and walls. Easy to install and stain resistant, it never needs sealing and meets ANSI A118.3 standards for epoxy grouts. Highly recommended as the best defense against adverse pool water chemistry/ imbalance conditions.

†United States Patent No.: 6881768 (and other Patents).

Performance Level: BEST
Warranty: Lifetime
Refer to Data Sheet 735.1

SPECTRALOCK PRO PREMIUM TRANSLUCENT GROUT†

SPECTRALOCK PRO Premium TRANSLUCENT Grout† is a patented, extreme high performance epoxy grout that offers a unique opaque color that diffuses light and makes any design look more vibrant. It also has increased durability and stain resistance with superior ease of use and cleaning.

Performance Level: BEST
Warranty: Lifetime
Refer to Data Sheet 36589

SPECTRALOCK 1

SPECTRALOCK 1 is a patent pending, pre-mixed, stain proof grout with epoxy performance offering superior strength, fastest cure time, and the ability to be submerged, all while meeting the standards of ANSI A118.3.*

*Meets or exceeds ANSI A118.3 specific test designation 5.6. Refer to LATICRETE DS 36589 for specifics on ANSI A118.3 test performance.

Warranty: 1 Year

SPECTRALOCK DAZZLE™

Adds colorful metallic enhancements to SPECTRALOCK PRO Premium Grout and SPECTRALOCK PRO Grout.

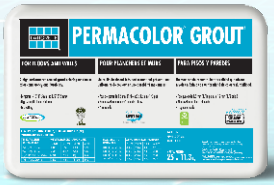
For more information on installation, refer to DS 230.13.

Performance Level: BETTER
Warranty: Lifetime
Refer to Data Sheet 281.0

PERMACOLOR® SELECT^ GROUT

PERMACOLOR® Select^ is an advanced high performance cement grout that offers the industry's first dispersible dry pigment solution. PERMACOLOR Select is designed for virtually all types of residential and commercial installations and offers optimum performance on the most demanding exterior or interior applications. PERMACOLOR Select exceeds ANSI A118.7 standards.

^United States Patent No.: 6784229 (and other Patents)



Performance Level: BETTER
Warranty: Lifetime
Refer to Data Sheet 250.0

PERMACOLOR GROUT^

PERMACOLOR is a high performance, fast setting grout that provides a grout joint that is dense and hard for both floors and walls. For joint widths of 1/16" (1.5 mm) to 1/2" (12 mm). PERMACOLOR Grout is color consistent. Mix only with water. Equipped with Microban® antimicrobial product protection. PERMACOLOR exceeds ANSI A118.7 standards.

LATICRETE offers STONETECH®, a high performing range of care and maintenance products that preserve the look of tile, natural stone and masonry surfaces surrounding the exterior of pool and spa systems.

SEALERS

Refer to Data Sheet 282.0

WATER BASED better for you & the environment

STONETECH® BULLETPROOF® SEALER

The water-based, penetrating sealer, designed to provide maximum protection against the toughest oil and water-based stains and antimicrobial product protection against the growth of mold and mildew, while preserving the natural look of the surface.

Refer to Data Sheet 212.5

SOLVENT BASED

STONETECH HEAVY DUTY EXTERIOR SEALER

The solvent-based, penetrating exterior sealer offering advanced protection against water-based stains, water repellency, and weather resistance on natural stone and masonry surfaces.

Refer to Data Sheet 288.0

WATER BASED better for you & the environment

STONETECH SALT WATER RESISTANT SEALER

The water-based, penetrating sealer formulated to protect exterior surfaces from salt degradation due to salt water and de-icing salt exposure.

Refer to Data Sheet 218.5

SOLVENT BASED

STONETECH ENHANCER PRO™ SEALER

Premium color enhancing, penetrating sealer that deepens the color and offers stain protection on masonry and stone surfaces

CLEANERS

Refer to Data Sheet 211.0

NO VOC BETTER INDOOR AIR QUALITY

STONETECH STONE & TILE CLEANER

The pH neutral, daily cleaner designed for routine maintenance of ground-in dirt and food stains without degrading sealers or damaging natural stone, tile and masonry. Available in ready-to-use and concentrate formulas.

Refer to Data Sheet 215.0

LOW VOC BETTER INDOOR AIR QUALITY

STONETECH KLENZALL™ CLEANER

The heavy duty strength, alkaline cleaner made to clean the toughest grease and built-up soil stains on natural stone, tile, masonry and prepares theses surfaces for sealing. Available in ready-to-use and concentrate formulas.

CLEANERS

Refer to Data Sheet 216.0

NO VOC
BETTER INDOOR AIR QUALITY

STONETECH® RESTORE™ ACIDIC CLEANER

A heavy duty acidic cleaner that removes hard water deposits, rust, mortar/cement residue and efflorescence.

Not for use on calcium based stones like limestone, travertine and marble.

Refer to Data Sheet 234.0

LOW VOC
BETTER INDOOR AIR QUALITY

STONETECH STAINLESS STEEL PRO CLEANER

The professional grade cleaner that clings onto stainless steel surfaces to eliminate grease, dust, smudges and fingerprints and leave a streak-free finish.

STAINLESS STEEL PRO CLEANER is not to be used to clean stainless steel tanks prior to tiling.

Refer to Data Sheet 219.0

NO VOC
BETTER INDOOR AIR QUALITY

STONETECH MOLD & MILDEW STAIN REMOVER

The ready-to-use, powerful specialty cleaner specifically formulated to remove mold, mildew and algae on natural stone, tile, masonry and grout.

SEALANTS/CAULKING

Performance Level: BEST
Warranty: 25 Year
Refer to Data Sheet 6200.1

LATASIL™

High performance, 100% silicone sealant designed for use in coves, corners, changes in plane and expansion joints in exterior and pool applications. Matches all 40 LATICRETE® grout colors as well as clear.

Refer to Data Sheet 6528.1

LATASIL 9118 PRIMER

Increases adhesion for porous stone, submerged, and permanent wet area applications.

COMPLETE SYSTEM WARRANTIES

LIFETIME* Warranty

With a LATICRETE® System Warranty you can enjoy peace of mind with high-quality, world renowned LATICRETE products. When selecting the installation system for your project, consider the value and peace of mind that a LATICRETE warranty can bring.

LATICRETE provides comprehensive warranties covering commercial, residential, and industrial projects around the world. However, our best guarantee is over 65 years of experience with industrial, commercial and residential installations in every imaginable climate around the world.

GREENGUARD® Certified & LOW VOC LEED COMPLIANT

Many companies might say their products are low VOC, only one independently certifies it – LATICRETE.

- UL GREENGUARD® GOLD certification, certified to meet stringent Indoor air Quality standards
- Helps contribute toward LEED certification
- Product certifications readily available at www.laticrete.com/green

UL GREENGUARD
PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818
GOLD

MADE IN USA

MICROBAN®

UPC

ICC ES PMG

For more information on: Tiled Swimming Pools, Fountains and Spas Technical Design Manual, Contact LATICRETE Technical Services at 800-243-4788.

*See Data Sheet 230.99 for complete warranty information.
®Antimicrobial product technology inhibits the growth of bacteria on the thin-set mortar. Antimicrobial technology is not designed to replace normal cleaning practices or protect users.

Marina Bay Sands – Rooftop Infinity Pool, Singapore.

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

DS-009.2-1021 ©2021 LATICRETE International, Inc. All trademarks shown are the intellectual properties of their respective owners.