



STONETECH® CONCRETE SEALER

DS-1746-0521

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

STONETECH® CONCRETE SEALER

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

STONETECH® CONCRETE SEALER is a concrete densifier that increases the strength of the wear surface of concrete floors subjected to pedestrian and vehicle traffic. It penetrates concrete to seal, dustproof, densify, and harden the surface and reduce absorptiveness. STONETECH CONCRETE SEALER increases the service life of concrete floors and resist dusting for years after application.

This water-based, no VOC, odourless and environmentally safe sealer leaves no film and will not alter the natural, high traction texture of the concrete floor. Additionally, STONETECH CONCRETE SEALER treated floors provide a significant savings in maintenance costs over conventional acrylic, epoxy, and urethane sealers.

Uses

- Areas subjected to medium or heavy traffic
- Warehouses
- Distribution centers

- Food processing plants
- Breweries
- Stores
- Restaurants
- Sports arenas & stadiums
- Concrete worktops
- Concrete floors
- Concrete walls

Advantages

- Heavy duty water-based sealer for concrete — creates a protective hardened and sealed surface
- Dramatic long-term maintenance cost reduction
- Safe, non-slip, certified high traction
- Zero VOC content — safe and odourless
- Formulated to resist dusting

Suitable Substrates

- Concrete

Packaging

1 lt x 12/box

5 lt x 4/box

25 lt

Coverage / Consumption

- Single coat: ~4.9 m² / liter
- Second coat: ~8.6 m² / liter

Additional coats may be necessary under certain porous conditions.

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >50°F (10°C) and <90°F (32°C).>

Limitations

- Apply when temperatures are above 4°C.
- Absolute minimum cure time for fresh concrete is 3 days before STONETECH® CONCRETE SEALER application. Waiting at least 7 days for new concrete to cure is recommended for best results before STONETECH® CONCRETE SEALER application.
- NOT recommended for long term exposure to strong acid or severe chemical attack.
- Apply only to structurally sound concrete surfaces. Not effective on porous or worn concrete.

- Variations in concrete finishing and concrete mixes may cause variances in appearance of the STONETECH® CONCRETE SEALER finish.
- NOT for use as a curing compound.
- Will not hide existing staining or wear patterns in concrete.
- For Professional Use Only.

Cautions

Consult SDS for more safety information.

- Any floor can be slippery when wet or contaminated with foreign material. Promptly clean up spills and foreign materials.
- Mock-ups and field test areas are required in order to validate performance and appearance related characteristics (including but not limited to colour, inherent surface variations, wear, anti-dusting, abrasion resistance, chemical resistance, stain resistance, coefficient of friction, etc.) to ensure system performance as specified for the intended use, and to determine approval of the decorative flooring system.

Storage and Handling Instructions: Causes serious eye irritation. Causes skin irritation. Wear protective gloves, protective clothing, eye protection, and/or face protection. Wash thoroughly after handling. Do not freeze or store above 100°F (38°C). Do not mix with other chemicals.

4. TECHNICAL DATA



Applicable Standard
ASTM C642

Physical Properties

Property	Observed
Abrasion Resistance (ASTM C779)	225% Increased Wear Resistance
Skid Resistance (NFSI Standard 101.A)	High Traction
Static Coefficient of Friction Wet or Dry	>0.6
Moisture Absorption - % reduction in 24 h (ASTM C642)	81%
Surface Breathable	Yes
UV Stable	Excellent

Working Properties

Form:	Liquid
Colour:	Colourless-Opaque
Odour:	Odourless
pH:	10-12
VOC Content:	0 g/ltr

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

5. INSTALLATION

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Make sure surface is clean, thoroughly dry and free of waxes and coatings. Ambient temperature should be above 4°C. Wear protective gloves, protective clothing, eye protection, and/or face protection.

Note: Mock-ups and field test areas are required in order to validate performance and appearance related characteristics (including but not limited to colour, inherent surface variations, wear, anti-dusting, abrasion resistance, chemical resistance, stain resistance, coefficient of friction, etc.) to ensure system performance as specified for the intended use, and to determine approval of the decorative flooring system.

Preparation of Existing Floors

All sealers, paints, wax, coatings, floor coverings and their mastics, as well as any surface contaminants such as oil or food spills must be removed. Non-moving cracks and saw cut, control joints are to be routed, and cleaned. Moving cracks must be addressed separately. Repair large or deep surface irregularities with a rapid setting patching compound that meets the requirements of the project.

Preparation of New Floors

New concrete should be finished to a hard trowel finish, ex. per ACI-302.1R- 8.6.1 (American Concrete Institute). Note that STONETECH® CONCRETE SEALER is not a curing compound. New concrete floors must be properly cured for a minimum of 3 days. Remove all surface

sealers and film forming curing compounds. Sealers and curing compounds can be removed with CITREX™ or other approved non-acid cleaner before installation of STONETECH CONCRETE SEALER.

Application

Installation requires the use of an automatic floor scrubber or other mechanical equipment utilizing soft scrubbing pads. Apply a saturating coat directly from container. Aggressively scrub into the surface with a mechanical auto scrubber. Scrubbing will help achieve maximum penetration. Do not use metallic brushes. In hot weather, pre-dampen concrete surfaces with water to cool. After standing water dissipates, apply STONETECH CONCRETE SEALER.

Keep surfaces wet with STONETECH CONCRETE SEALER for 30 minutes and continue scrubbing. When product begins to thicken, sprinkle with water and continue scrubbing for another 10-15 minutes. Immediately wash off over-spray from glass, aluminum, or highly polished metal surfaces with water to avoid etching of the surfaces.

Do not allow product to dry before flushing excess from surfaces. Next, thoroughly flush excess STONETECH CONCRETE SEALER with clean water and remove all solution from the floor by squeegee and wet vacuum.

If STONETECH CONCRETE SEALER residue is not thoroughly washed and removed from floor, excess residue will dry as an unsightly white film or stain. Floor may be placed into service immediately after removal of the rinse residue. Rinse residue is non-hazardous and may be flushed into sanitary sewer. After the residue is removed, dry time is approximately two to four hours. Additional coats may be necessary under certain porous conditions. Apply another coat [approx. 8.6 m²/L] after first coat has been cleaned, rinsed, and is completely dried.

6. AVAILABILITY AND COST

Availability

LATICRETE® materials are available worldwide. For distributor information, please contact LATICRETE EUROPE S.r.l.:

+39 059 535540

info@laticreteurope.com

For on-line distributor information, visit www.laticrete.eu.

Cost

Contact LATICRETE EUROPE S.r.l to obtain complete information and cost.

7. WARRANTY

The supplier warrants that the product will not deteriorate under normal conditions and use. The warranty validity of one (1) year. Contact Technical Services for further information. See 10. FILING SYSTEM:

- DS230.13EU: 1 Year Product Warranty (EN)

8. MAINTENANCE

The long term performance, appearance, and life expectancy of wear surface products are critically dependent upon a good routine maintenance program designed specifically for the installed wear surface type, traffic, and other conditions. Properly placed walk-off mats, inside and outside will help increase the life of the floor. Some cleaning products and equipment or improper use of products can damage a wear surface appearance over time.

Highly alkaline, acidic, ammoniated, or abrasive cleaners are not necessary for daily maintenance and may also degrade the STONETECH® sealer used, adversely affecting stain resistance or performance. Routine cleaning with a neutral pH cleaner such as STONETECH® STONE & TILE CLEANER is recommended. For tough or difficult to remove soil use STONETECH KLENZALL™ CLEANER.

Only soft scrubbing or soft brush attachments should be used when mechanically scrubbing your floor. Do not use aggressive abrasive pads or brushes. The use of black scrubbing pads, diamond impregnated pads or carbide impregnated type brushes may dull the surface gloss. Wet mops work well on small floors or places where a mechanical scrubber will not fit.

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling or emailing the Technical Service Hotline:

+39 059 535540

technicalservices@laticreteurope.com

Technical and Safety Literature

To obtain technical and safety literature, please visit our website at www.laticrete.eu.

Warning

The information and the instructions in the data sheet, although based on knowledge gained through years of applications, are indicative. LATICRETE® is unable to directly control the installation methods and conditions of products and does not assume any liability arising from their implementation. Those who want to use LATICRETE® products should conduct adequate tests to determine the site specifications. Results shown are typical but reflect test procedures used. Actual field

performance will depend on installation method and site conditions.

LATICRETE® products are covered by a warranty within the limits of what is established by our general conditions of sale and within the limits of correspondence related to technical specifications and applicable certifications, as expressly indicated in the product data sheets, documentation, or applicable technical documentation.

10. FILING SYSTEM

Additional product information is available on our website at laticrete.eu. The following is a list of related documents:

- DS 230.13EU: 1 Year Product Warranty
- DS 2110: STONETECH STONE & TILE CLEANER
- DS 2150: STONETECH KLENZALL™ CLEANER