

SYNERGY BUILDING TECHNOLOGY

SEALS, STRENGTHENS, & SHIELDS



Cement Lok is a transparent, water-based penetrating sealer that strengthens concrete surfaces, providing long-lasting durability, waterproofing, and protection. Suitable for both indoor and outdoor applications, it effectively safeguards concrete above or below grade.

NO CRACKS. NO CORROSION. NO PROBLEM.

- ✓ Strengthens & hardens concrete
- ✓ Prevents chemical & physical abrasion
- ✓ Stops freeze-thaw spalling damage
- ✓ Reduces water seepage & moisture intrusion
- ✓ Enhances UV resistance & longevity
- ✓ Non-toxic, odor-free & solvent-free

PATENTED STRENGTH OF 1000 PSI ON SURFACE AREA.

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CEMENT LOK

By SYNERGY BUILDING TECHNOLOGIES

DESCRIPTION

A ready-to-use, transparent, water-based penetrating sealer designed for application on concrete surfaces, suitable for both above and below grade, indoors or outdoors.

BASIC USES

Applied with a brush, roller, or spray onto concrete surfaces to seal, harden, dustproof, waterproof, and weatherproof. It safeguards concrete against abrasion and freeze-thaw damage while preventing water seepage, except when caused by cracking or structural failure.

MAJOR ADVANTAGES OF Cement Lok

- ✓ Increases concrete density and hardness
- ✓ Prevents chemical corrosion and physical abrasion of the treated surface
- ✓ Effectively reduces freeze-thaw spalling
- ✓ Provides a permanent treatment that does not require re-application every few years
- ✓ Functions as a negative-side waterproofing solution against hydrostatic pressure exceeding 115 ft (35 m)
- ✓ Reduces or eliminates efflorescence and leaching in concrete
- ✓ Acts as a breathable barrier, preventing water vapor emission without compromising permeability
- ✓ Solvent-free, odor-free, non-toxic and non-flammable
- ✓ Improves the bonding of cementitious toppings, coatings and paints
- ✓ Resistant to ultraviolet (UV) exposure
- ✓ Enhances resistance to water penetration and de-icing salt intrusion

TECHNICAL AND PRODUCT DATA

CEMENT LOK deeply penetrates the capillary pores of the concrete, crystallizing and integrating permanently into the structure.

CEMENT LOK does not alter the appearance of the treated concrete surface.

CEMENT LOK has been evaluated as a chemical hardener using the Schmidt hammer rebound test, yielding the following results:

10 year old slab			
- untreated	2000 psi (13.8 MPa)	No. of Components	One
- one coat 470	3000 psi (20.7 MPa)		
- two coats	4600 psi (31.7 MPa)	Packaging	20L pails & 200L drum
New Pour Treated	4900 psi (33.7 MPa)	Pot Life	Indefinite
- one coat 470	6000 psi (41.3 MPa)	Shelf Life	12 months at 5-24°C (41-75°F)
Flash Point	None	Clean-up	Water

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APPLICATION INSTRUCTIONS

Thoroughly mix **CEMENT LOK** before use and keep it agitated during application, as the active ingredients remain in suspension and may settle. Do not dilute under any circumstances.

Fresh Concrete - CEMENT LOK is applied to green concrete as soon as the surface water sheen has disappeared and the concrete is firm enough to be walked upon. For vertical, formed surfaces, apply CEMENT LOK immediately after the formwork has been removed.

Old concrete - Ensure the surface is swept or brushed clean before treatment. Test for absorption by sprinkling water on the surface—if the water beads up and is not readily absorbed, the concrete may have been previously coated or oiled, requiring thorough cleaning before applying **CEMENT LOK**. For effective treatment, **CEMENT LOK** must penetrate the slab. Any oil or stains must be removed before application. Clean the surface using a strong stripper, such as a 7:1 solution of muriatic acid, and/or a strong detergent like trisodium phosphate. Rinse thoroughly with water, ensuring all excess and puddled water is removed before proceeding.

COVERAGE CEMENT LOK is best applied using a low-pressure spray, though it can also be applied with a roller or brush. 470 is typically applied in two light coats, with the second coat applied as soon as the surface appears dry. Each coat covers approximately 300 to 400 square feet per gallon (75 to 100 sf/L). For a single-coat application, coverage should be around 190 square feet per gallon (50 sf/L). Absorption rates may vary depending on the concrete's porosity.

For a harder surface, apply one coat of 470 at a rate of 300 square feet per gallon (75 sf/L), followed by one coat of 473 at the same rate.

For chemical hardening, very porous concrete, or enhanced resistance to stains and mild acids, apply a second coat of 473 until the surface reaches saturation. A light sheen will appear once saturation is achieved.

A blooming or whitish deposit may form if ponded areas are left to dry. To prevent this, ensure that **CEMENT LOK** does not pool on the surface. Alternatively, flush the surface with clear water 30 to 45 minutes after application to remove any ponding residue. If residue remains after drying, brush the area with a stiff broom and, if necessary, dilute it with **CEMENT LOK** to aid removal.

SPECIAL HANDLING

Avoid spraying or allowing overspray of **CEMENT LOK** on glass or aluminum, as it can cause etching. If any compound comes into contact with glass or aluminum, rinse it off immediately to prevent damage. Additionally, do not allow the product to puddle or let water stand on the surface right after application, as it may leave a residue that is difficult to remove. Whenever possible, rinse the treated area thoroughly after application and use lighter coats if necessary to minimize excess residue. If a stubborn residue forms, scrub the surface with a stiff brush and apply water pressure. If needed, dilute the residue with more **CEMENT LOK** to aid removal. For tilt-up slabs or other preformed units, ensure they do not bond together when stacked by applying a bond breaker over the treated surface after **CEMENT LOK** has been applied. **CEMENT LOK** is generally compatible with most bond breaker systems, but it is recommended to check with the manufacturer for confirmation. **CEMENT LOK** should not be applied when the ambient temperature is at or below freezing. It is also crucial to avoid application when rain or running water is present on the surface, when puddles are visible, or if rain is expected. Lastly, do not allow **CEMENT LOK** to freeze, and never use the product if it has been previously frozen.

SAFETY

Please refer to SDS at www.synergybuildingtech.com

WARRANTY DISCLAIMER

The information provided is intended to assist customers in evaluating the suitability of our products for their specific applications. Our products are designed for industrial and commercial use, and we strongly recommend that customers inspect and test them prior to use to ensure their content and applicability meet their requirements. We warrant that our products will conform to our written specifications. However, this does not constitute an expressed or implied warranty, including but not limited to any warranty of merchantability or fitness for a particular purpose. Additionally, no protection against loss or patent infringement should be inferred. The sole and exclusive remedy for any proven claims is the replacement of our materials. Under no circumstances shall we be liable for any special, incidental, or consequential damages.

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