

Spray-Lock[®]

CONCRETE PROTECTION





SCP TECHNOLOGY

Concrete is the most frequently used building component for structures and infrastructures all over the world. Historically, water curing over 28 days was the best method to optimize concrete performance. Today's demand for fast-track construction, however, has led to quicker, temporary methods of protection that require frequent maintenance. Fortunately, Spray-Lock Concrete Protection (SCP) offers spray-applied treatments that meet the industry's demands for curing, waterproofing, and protection throughout the service life. Our spray-applied colloidal silica penetrates into accessible concrete capillaries and voids left behind from bleed water. Once in the concrete, SCP products react with available alkali to primarily form additional calcium silicate hydrate (C-S-H). This additional C-S-H shuts down liquid water transmission. First used in the petroleum industry over 40 years ago, SCP is now reducing maintenance expenses over the service life of concrete in all industries.

*More than concrete treatments,
SCP offers superior concrete solutions.*



**Time-Saving
Technology**



**Excellent
Concrete Cure**



**Superior Concrete
Performance**



**Quality
Tech Support**



Time-Saving Technology

With SCP's time-saving technology, contractors see our treatments as a *cost savings*, not a *cost factor*. SCP products provide excellent curing and waterproofing, while keeping your project *on or ahead of* schedule. Apply coatings on roof decks and begin finishing on lower levels.



SCHEDULING

No more end-of-project surprises or expenses.

- Complete projects *on or even ahead of* schedule
- Hard schedule flooring and coating applications



WATERPROOFING

Avoid time and cost installing temporary roofing systems.

- Dry-in areas the day after treatment
- Ideal for mission critical facilities

TOP LEFT: PARKING GARAGE ROOF TREATED WITH SCP
BOTTOM RIGHT: UNDERNEATH SAME GARAGE ROOF TREATED WITH SCP



TESTING

Exempt from ASTM moisture testing.

- Install flooring in as little as 14 days without testing
- Avoid costly RH or MVER testing at remodeling



Excellent Concrete Cure



BENEFITS TO PROPER CURE

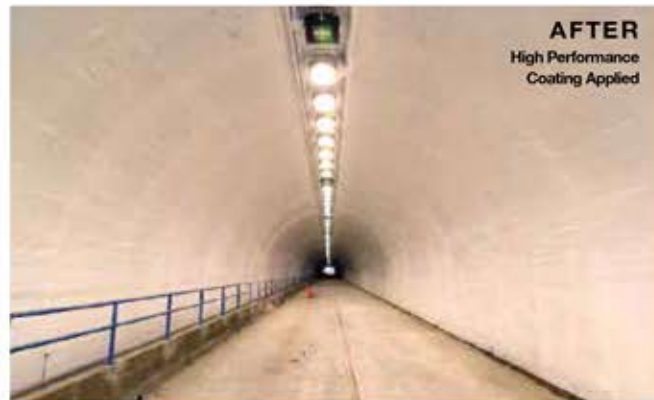
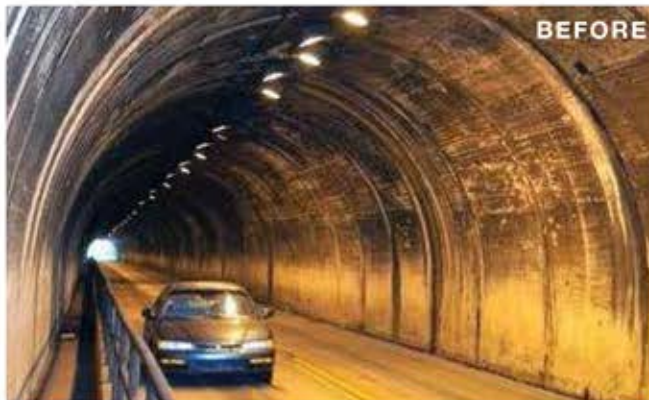
- Lower Permeability
- Reduce Concrete Drying Shrinkage
- Increased Resistance to Chemical, Environmental, and Freeze-Thaw Damage
- Improved Abrasion and Scaling Resistance

SCP's
Colloidal Silica
improves
concrete
performance.



Superior Concrete Performance

All concrete takes abuse from its environment. Indoor concrete is damaged over time by wearing and chemical spills, while outdoor concrete is exposed to weather-related elements and traffic. Whether it's reducing chemical deterioration or signs of aging, SCP products can assist in concrete looking newer, longer.



Wilcox Tunnel | Chattanooga, TN

Like many tunnels worldwide, water intrusion, cleaning, and maintenance were major problems for the Wilcox Tunnel. SCP technology was used as the base of a multicomponent waterproof liner system to ensure that subsequent layers did not experience adhesion failures due to moisture migration. SCP products also helped the city reduce maintenance from one week of labor and traffic management to just one day.



University of Washington Tacoma - YMCA Student Center | Tacoma, WA

UWT needed a waterproofing solution to prevent contaminated ground water issues in a new facility. They used SCP products as an additional measure over a bentonite mat system, and after treatment, the 30,000 ft² shotcrete wall system showed no signs of leakage. SCP technology performed so well, UWT decided to treat everything but seismic shear walls, including sidewalks and planters.



Quality Tech Support

When dealing with concrete, there are many technical questions and concerns that can cause delays or issues on job sites. Spray-Lock offers our customers valuable technical expertise through our in-house Technical Department. With on-site training and on-call information, we ensure your team is equipped for the job. Using a proactive approach, our technicians can solve problems before they have a chance to occur.

Mix Design Analysis

In order to provide you with the highest quality support, our technical team will analyze your mix design submittal to determine which SCP treatment is best for you.

On-site Training and Assessments

Our knowledgeable technicians will provide training and education on-site. Your applicators will learn what to look for, what to stay away from, and how to apply our products.

Questions? We've got answers.

Whatever the issue may be, our team digs deep to understand your specific job to help answer the tough questions. Email your questions to scptech@spraylock.com.

Support from Our Tech Team

- Recommendations based on mix design submittal
- Troubleshooting over phone or by email
- Training and education for applicators
- Review of test data for remediation jobs
- Job-specific advice you can trust

“ We're with you from placement to application.”

A FEW PROJECT HIGHLIGHTS



Methodist Mansfield Hospital

Contractors for Methodist Health Systems' Mansfield Hospital needed a moisture mitigation solution that would help accelerate construction. SCP was able to help the hospital's four-floor expansion open 12 weeks ahead of schedule without any moisture issues.



"Spray-Lock probably saved us three weeks per floor, for a total of 12 weeks on the entire project!"

—Tyler Chapman, PROJECT MANAGER



Dick's Sporting Goods

A national retail construction company needed to complete a 20,000 ft² expansion of Dick's Sporting Goods quickly. SCP technology provided an excellent cure in just 14 days of treatment, allowing the vinyl flooring to be installed without any moisture related issues. Because of such efficiencies, the project was completed two weeks ahead of schedule.



Spray-Lock Concrete Protection cares about our customers and their structures. We look forward to working with you on your next project!

Contact Us

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