

Infrastructure Sustainability

SCP provides a proven solution to infrastructure concrete issues.

Infrastructure systems across North America and beyond are in desperate need of repair and replacement. From highways, bridges and tunnels, to locks/dams, airports and seaports, to culverts and wastewater treatment facilities – the main challenge is how to protect new and old concrete in order to increase the sustainability of these structures.

Upon application, SCP forms a gel within the concrete capillaries and pores. SCP technology helps prevent embedded steel corrosion and provides a wide range of concrete protection features such as densification, strengthening and surface hardening, and resistance to salt, chemical and environmental attack for the life of the concrete. This provides a proven solution to infrastructure concrete issues.

When applied after concrete is placed, SCP technology penetrates accessible capillaries and pores. Our technology chemically stabilizes concrete and acts as a pore-blocker. It can be used at time-of-placement or as a remedial treatment.

SCP technology has been used on sidewalks, pedestrian bridges, roads, bridges and ramps, as well as airport facilities and pavements.

SCP Technology Benefits:

- Waterproofs
- Deters development of corrosion conditions
- Works on new & old concrete
- Enhances long term durability
- Withstands hydrostatic pressure
- Enables minimum downtime
- Can access treated concrete in as little as 1-hour after application
- Fast, safe & clean, with zero VOC content



Market Segments	Architectural / Structural Applications	Specialty Applications	SCP Technology Features
<ul style="list-style-type: none"> • Concrete Floors or Under Flooring • Transportation Infrastructure • Coastal & Port Infrastructure • Industrial Infrastructure • Commercial Infrastructure • Tunnels, Subways, & Containment Vessels 	<ul style="list-style-type: none"> • Bridges • Buildings • Containment Vessels • Dams • Floors & Slabs • Pavements • Ports • Retaining Walls • Tunnels 	<ul style="list-style-type: none"> • High-Performance Concrete • Paver Systems • Pervious Concrete • Polished Concrete • Precast Elements • Roller-Compacted Concrete • Shotcrete 	<ul style="list-style-type: none"> • Abrasion Resistance • Alkali-Aggregate Reaction Resistance • Carbonation/Dusting Protection • Chemical Attack Resistance • Chloride Protection • Concrete Contaminant Purge & Seal • Concrete Curing Enhancement • Concrete Matrix Rejuvenation • Deicing Chemical Protection • Deters Development of Corrosion Conditions • Efflorescence Prevention • Freeze-Thaw Protection • Reinforcing Steel Protection • Surface Densification & Hardening • Waterproofing