

HOW THE SYSTEM WORKS

ENHANCE

At the ready-mix facility, the approved mix receives Vapor Lock 20/20, 20/21, or 40/41 under controlled batching procedures.

CURE

Place and finish the concrete, allow it to cure, and complete required surface, moisture, pH, and bond checks before membrane work.

PROTECT

A trained applicator prepares the cured concrete and applies Wisershield 39 at the specified thickness, followed by inspection and approval.

When the concrete is enhanced The Shield Wall 39 System; Vapor Lock, Wisershield 39 membrane application may occur in as little as 7-10 days, depending on ambient conditions and after required authorization and substrate checks.



SPECIALTY PRODUCTS GROUP

Specialty Products Group, (SPG) is a manufacturer of sustainable solutions for the construction environment and the world at large. With headquarters in Smithville, Ontario, Canada; and distribution centers throughout North America, SPG's staff of experienced professionals bring genuine dedication to a quality conscious, sustainable world. "We don't make concrete; we make concrete better."

The SPG family of products includes the Vapor Lock line of concrete admixtures designed to work with the free water and various components of the cement to create a hygroscopic concrete that allows the on-time installation of today's VOC-Free moisture sensitive water-based coatings and adhesives including flooring. SPG also carries Soil Stabilization & Dust Control products, Cleaners, Underlayment & Repairs, and Below-Grade Coating.

SPG offers best-in-class solutions to complex commercial construction problems with eco-friendly products backed by the best warranties in the business. Product support includes online training in the use of these products to batch plants and concrete finishers, product presentations for architectural and engineering firms online and in person, and technical representatives to help choose the right products for specific challenges.



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SHIELD WALL 39 WATERPROOFING SYSTEM



The Shield Wall 39 System combines Vapor Lock integral concrete admixture with Wisershield 39 waterproofing membrane to create two coordinated lines of defense against water intrusion.

WATERPROOFING FROM THE INSIDE OUT

Vapor Lock is introduced throughout the concrete mix, supporting integral resistance within the concrete itself.

Wisershield 39 forms the exterior waterproofing membrane on the cured concrete surface.

Certified materials, trained personnel, documented inspections, and written approvals support consistent installation and warranty eligibility.

For project specifications, dosage, detailing, and compatibility requirements, use current manufacturer technical bulletins and written project authorization.



THE SHIELD WALL 39 SYSTEM

Stage One: Vapor Lock

Register and approve: Register the project; certify the concrete supplier and finisher; obtain manufacturer approval of the mix design.

Plan the placement: Provide at least five days' notice before concrete placement so the manufacturer representative can support required quality oversight.

Batch at the ready-mix facility: Add the specified VL 20/20, VL 20/21, or VL 40/41 to the approved concrete mix using documented, controlled batching procedures.

Place, finish, and cure: Place and finish in accordance with the approved project requirements. Keep the concrete free of laitance or remove it before subsequent work.

Test and authorize: Complete applicable permeability, moisture, pH, and bond testing. Obtain written authorization before installing moisture-sensitive finishes or the membrane.

Stage Two: Wisershield 39

Confirm readiness: Receive authorization to proceed; confirm shelf life, suitable ambient conditions, and substrate readiness.

Prepare the surface: Inspect the cured concrete and complete any additional preparation recommended for a clean, sound, bond-ready substrate.

Apply the membrane: A trained applicator installs Wisershield 39 in accordance with the current technical requirements and approved project details.

Verify thickness: Inspect wet/dry film thickness as applicable to confirm the specified membrane depth is achieved.

Inspect and release: Complete phased or final inspection and receive authorization before protection, backfilling, or covering the membrane.

WARRANTY

The Shield Wall 39 System Warranty is a 10-year system warranty, beginning at substantial completion, for covered water leakage through the concrete when all system components are installed in compliance with manufacturer instructions and requirements.

Eligibility is subject to project registration, documentation, testing, inspections, written approvals, certified installation, account status, and the complete project-specific terms.

The source letter describes labor and material remedies and a project-specific insurance framework; confirm exact coverage, limits, exclusions, and insured parties in the issued documents.

The 7-10 day application window is a potential accelerated timeline, not an automatic release date. Ambient conditions, concrete condition, test results, surface preparation, and written manufacturer authorization govern when membrane application may begin.