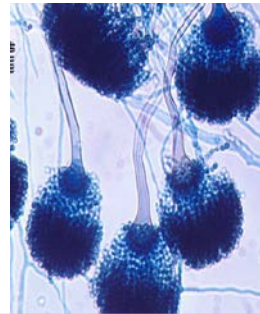


# Vapor Lock™



SPECIALTY  
PRODUCTS  
GROUP®



SPECIALTY  
PRODUCTS  
GROUP®

The Vapor Lock™ family of products are the backbone of SPG (Specialty Products Group).

SPG was formed as a new voice for all the many quality, sustain- able products & systems.

Vapor Lock™ 20/20 is a concrete admixture designed to work with the free water and various components of the cement to create a non-hygroscopic concrete that allows the on time installation of today's VOC Free moisture sensitive water based coatings and adhesives, including flooring. VL 20/20 also makes the concrete impermeable to salt and other damaging compounds with amazing results.

VL 20/20 is a clear solution and was developed with perfect clarity and foresight.

Vapor Lock™ 20/20 is the heart and soul of the Vapor Lock™ Group of products.

SPG, or Specialty Products Group, is an organization formed specifically for the purpose of supplying engineered sustainable solutions to the construction environment and the world at large. SPG is constantly re-purposing, measuring, and optimizing product performance and presentation with a dedicated staff of experienced professionals. Our commitment to excellence in testing, manufacturing, and field support will bring great dividends to your organization.

We look forward to working with you.

## Contact

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Global Leader in Green  
Construction Solutions



# Vapor Lock™

## Vapor Lock™ Products Admixtures

### Vapor Lock™ 20/20

VL 20/20 is a ready to use admixture which becomes part of the concrete by creating additional CSH gel. The unique organic chemical reaction with concrete components, utilizes the water of convenience and other excess chlorides to create more CSH which fills the capillaries through the entire slab eliminating the route of moisture vapor emission. The reaction is permanent and integral throughout the concrete. Increases break strength. No moisture issues, 10 year warranty against flooring failures due to vapor. This Water Vapor Reducing Admix provides a permanent cure for moisture vapor emission.



# Vapor Lock™

We all want to proactively solve our problems, the Vapor Lock™ Family provides you with the essential tools to win the battle against moisture. There is not a VOC in the entire product line.

### Vapor Lock™ 40/40

VL 40/40 has all the benefits of Vapor Lock admixtures, waterproofs, vapor proofs, internal wet curing, shrink reduction but it contains an added element the stops corrosion of reinforcing steel. VL 40/40 accomplishes this without losing strength or causing the concrete to fast set. This is a cutting edge technology that has already been widely employed in a variety of large scale projects.

## Topical Vapor Lock™ Products

### Vapor Lock™ 0/0

VL 0/0 is a ready to use water based topical product which penetrates into the top 1" - 1 1/2" of existing concrete. The unique reaction converts the excess water and other chemicals to a CSH gel which fills the top thereby creating a water proof surface. This product accelerates the curing process and is an excellent cure and seal. Prevents salt damage and other chemical intrusion.

### Vapor Lock™ 5/5

VL 5/5 is a ready to use water vapor reducing topical mix. The product is installed with a pump spray or broom. Penetrates deep into the concrete to form more CSH gel. Uses the free water and other chemicals in the concrete to create CSH gel which seals the capillaries, solving the water vapor problem. No moisture issues related to flooring failures. This Water Vapor Reducing topical mix provides a permanent cure for moisture vapor emission.



Vapor Lock™ 0/0 Concrete Enhancer	Vapor Lock™ 5/5 Topical Moisture Treatment Penetrating Vapor Proofer	Vapor Lock™ 20/21 Waterproofing Admixture	Vapor Lock™ 20/20 Concrete Admixture	Vapor Lock™ 40/40 Concrete Admixture
<b>Application</b> Existing Concrete or Green Concrete	<b>Application</b> Existing Concrete	<b>Application</b> New Concrete	<b>Application</b> New Concrete	<b>Application</b> New Concrete
<ul style="list-style-type: none"> <li>Cure &amp; Seal</li> <li>Waterproofer</li> <li>Densifi</li> </ul>	<ul style="list-style-type: none"> <li>Eliminates Effects of Moisture</li> <li>Allows for installation of Moisture Sensitive Coatings &amp; Adhesives, including Flooring</li> </ul>	<ul style="list-style-type: none"> <li>Waterproofs concrete to an unprecedented degree</li> <li>Extreme densification extends life cycle in all environments</li> <li>Internal curing agent</li> </ul>	<ul style="list-style-type: none"> <li>Allows the use on VOC Moisture Sensitive Coatings &amp; Adhesives, including flooring</li> <li>Proactive Economical Moisture Solution</li> <li>No Moisture / No Mould</li> <li>Improves Concrete</li> <li>Virtually Eliminates Slab Curl</li> <li>Dusting</li> <li>Plastic Cracking</li> <li>Delamination</li> <li>Warranted against Moisture Failure!</li> </ul>	<ul style="list-style-type: none"> <li>Virtually eliminates oxidation of steel reinforcement inside the concrete matrix and exposed steel in cracked concrete</li> <li>Waterproof concrete</li> <li>Improves concrete strength</li> <li>Increases tensile strength and abrasion resistance</li> <li>Requires no additional chemical curing</li> <li>58% reduction of Alkaline Silica Reaction (ASR)</li> <li>Prevents plastic and drying shrinkage and cracking</li> <li>Prevents efflorescence and freeze-thaw spalling</li> </ul>
<b>Major Advantages</b> <ul style="list-style-type: none"> <li>Vapor proofs concrete (0.03US Perms ASTM E 96)</li> <li>Water proofs concrete (1 x 10<sup>-9</sup> cm/s permeability ASTM D 5084)</li> <li>Allows easy installation of no VOC (water-based) adhesives &amp; coatings</li> <li>No additional moisture controls required</li> <li>Increases concrete density and hardness</li> <li>Increased abrasion resistance</li> <li>Effective in reducing: Efflorescence, Freeze-thaw, spalling, Delamination, Spider cracking, Slab curl</li> </ul>				

The Next Generation Vapor Control Makes Concrete Impermeable & Damp-proof