



SPECIALTY  
PRODUCTS  
GROUP

# VAPOR LOCK™ 40/41

Vapor Lock™ 40/41 Corrosion Inhibiting & Waterproofing Concrete Admixture ASTM C494  
TYPES | NSF-61 Approved

## DESCRIPTION

Vapor Lock™ 40/41 Corrosion Inhibiting & Waterproofing Concrete Admixture is a ready to use concrete admixture that uses Volatile Organic Compound (VOC) free proprietary technologies that act as a powerful corrosion inhibitor while water and vapor proofing concrete. This corrosion resistant protection reaction is a permanent self-healing Nano technology and integral component of the finished concrete.

## MAJOR ADVANTAGES OF VAPOR LOCK™ 40/41

- Virtually eliminates oxidation of steel reinforcement
  - » Inside the concrete matrix
  - » Exposed steel reinforcement in cracked concrete
- Waterproofs concrete
- Improved concrete strength
- Increased tensile strength
- Increased abrasion resistance
- Requires no additional Chemical Curing
- 58% reduction of Alkaline Silica Reaction (ASR)
- Effective in reducing:
  - » Corrosion of unexposed & exposed steel reinforcement
  - » Plastic & Drying shrinkage cracking
  - » Efflorescence
  - » Freeze-thaw spalling
  - » Delamination
  - » Slab curl

## TECHNICAL & PRODUCT DATA

- Appearance: Translucent
- Odor: None
- Toxicity: None
- Flammability: None
- pH: Alkaline
- Shelf Life: 1 year
- Freeze Temp: 32°F / 0°C
- Storage Temp: Min. 35°F / 1.7°C
- Solvent: None. Water base
- Hazardous Vapors: None
- Capillary Break: Calcium Silicate Hydrate (C-S-H)
- Packaging: 330 US Gallon Totes, 275 US Gallon Totes, 55 US Gallon



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## APPLICATION INSTRUCTIONS

Cast-in Place, Normal Weight Concrete-Vapor Lock™ 40/41 standard dosage is 10 ounces per 100 weight of cementitious materials and should be added with the head water for the best results. Contact your SPG representative for dosage rate verification or if introduction with the head water is not possible/practical.

This dose needs to be accurate to minus 0% plus 3%. Vapor Lock™ 40/41 must be administered by a concrete ready-mix provider or professional that is Certified by SPG to work with this material and is aware of and follows all the protocols established by SPG.

## SPECIAL HANDLING

Discard any frozen or separated, visually observable, product.

## SAFETY

Please refer to SDS at [spggogreen.com](http://spggogreen.com) or contact SPG.

## WARRANTY DISCLAIMER

The information herein is to assist customers with product selection. Our products are intended for sale to qualified industrial and commercial customers. Customers shall be responsible for inspection of product prior to use to determine suitability for and applicability to their application. Trial batch mixes are encouraged with certified ready-mix providers. We warrant that our products will meet our written specifications. Nothing herein shall constitute a warranty expressed or implied, including any warranty of merchantability or fitness, nor is protection from any loss or patent to be inferred. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special, incidental, or consequential damages. Project specific warranties are available for waterproofing and concrete durability.

Contact SPG prior to installation for project specific warranty registration and requirements.