DESCRIPTION
Vapor Lock™ 20/20 is a ready to use concrete admixture that has an organic chemical reaction with components of the cement and utilizes the water of convenience to eliminate the route of moisture vapor emission. This reaction is a permanent and integral component of the finished concrete.

BASIC USES
Vapor Lock™ 20/20 is designed to be added to any cementitious material where vapor and water proofing is desirable. This allows for the application of moisture sensitive coatings and adhesives in the normal construction schedule.

MAJOR ADVANTAGES OF Vapor Lock™ 20/20
- Vapor proofs concrete (0.03 US Perms ASTM E 96)
- Waterproofs concrete (1x10^-8 cm/s permeability ASTM D 5084)
- Allows easy installation of no VOC (water-based) adhesives & coatings
- No additional moisture controls required
- Increases concrete density and hardness
- Increased abrasion resistance
- Effective in reducing:
  - Efflorescence
  - Freeze-thaw spalling
  - Delamination
  - Spider cracking
  - Slab curl

TECHNICAL AND PRODUCT DATA
- Appearance: Translucent
- Odor: None
- Toxicity: None
- Flammability: None
- pH: 10-12
- Shelf Life: 1 Year
- Weight: 60 lbs
- Freeze Temp: 32 °F/ 0 °C
- Storage Temp: 35 °F/ 1.7 °C
- Do Not Allow to Freeze prior to use. Consult Manufacturer for low-temperature applications
- Solvent: None. Water based
- Acid Resistance: Excellent
- Hazardous Vapors: None
- Capillary Break: Integral C-S-H
- Installation: All cementitious materials
- Number of Components: 1
- Packaging: 275 US Gallon Totes, 55 Gallon Drums, 5 Gallon Pails
APPLICATION INSTRUCTIONS
Cast-in Place Concrete-Vapor Lock™ 20/20 is dosed at 10 ounces per 100 weight of cementitious materials and should be added with the head water or at the tail end of the load. This dose needs to be accurate to minus 0% plus 3%. Vapor Lock™ 20/20 must be administered by a concrete batch plant or professional that is certified by SPG to work with this material; who 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 www.spggogreen.com or contact SPG.

WARRANTY DISCLAIMER
Properly dosed and finished Vapor Lock™ 20/20 will provide concrete that is impermeable to $1 \times 10^{-8}$ per ASTM D-5084 and 0.03 US Perms per ASTM E 96 a rate of moisture vapor emission at which water-based adhesives & coatings will not fail due to vapor emission.