



# VAPOR LOCK™ 20/21

Accreditations: ASTM C494 TYPE S

## DESCRIPTION

Vapor Lock™ 20/21 Waterproofing & Exterior Protection Concrete Admixture is a ready to use concrete admixture that has an inorganic chemical reaction with components of the cement and utilizes the water of convenience to eliminate the route of water ingress/egress. This reaction is a permanent and integral component of the finished concrete.

## BASIC USES

Vapor Lock™ 20/21 water proofs/densify concrete to an industry leading level. Vapor Lock™ 20/21 should be added to concrete whenever superior water proofing, extended service life, chemical resistance and densification at an economical cost are desired.

## MAJOR ADVANTAGES OF VAPOR LOCK™ 20/21

- Waterproofs concrete (.0017 US Perms)
- Increases concrete density and hardness
- Increased abrasion resistance
- Requires no Chemical Curing
- Stops ACR, ASR
- Effective in reducing:
  - » Plastic & Drying Shrinkage Cracking
  - » Efflorescence
  - » Freeze-thaw spalling
  - » Delamination
  - » Slab curl

## TECHNICAL & PRODUCT DATA

- Appearance: Translucent
- Odor: None
- Toxicity: None
- Flammability: None
- pH: 11-12
- Shelf Life: 1 year
- Weight: 5Kg per 3.8 Litres
- Freeze Temp: 0°C
- Storage Temp: Min. 1.6°C-24°C
- Solvent: None. Water based
- Acid Resistance: Excellent
- Hazardous Vapors: None
- Capillary Break: Integral C-S-H
- Installation: All cementitious materials that contain no Polymers
- Number of Components: 1
- Packaging: 1249L Totes, 1041L Totes, 208L Drums, 20L Containers



SPECIALTY  
PRODUCTS  
GROUP

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## APPLICATION INSTRUCTIONS

Cast-in Place, Normal Weight Concrete-Vapor Lock™ 20/21 standard dosage is 0.65 L per 100 kg 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 within 0% and +3%. Vapor Lock™ 20/21 must be administered by a concrete ready mix provider or Vapor Lock 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.au](http://spgGoGreen.com.au) or contact SPG.

## PROJECT SPECIFIC WARRANTY

Project specific Warranties are available for water proofing and spalling elimination. These Warranties must be pre-approved by manufacturer and contain certain limitations.

All SPG warranties are underwritten by a Lloyd's of London policy in the amount of CAD\$20,000,000.00. For more information, contact your SPG representative.

## 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.