



# VAPOR LOCK™ 20/23

## DESCRIPTION

Vapor Lock™ 20/23 is a ready to use concrete admixture that has an organic chemical reaction with components of the cement and utilizes free water to eliminate the route of moisture vapor emission. In addition this material will actively repel water. These reactions are a permanent and integral component of the concrete.

## BASIC USES

Vapor Lock™ 20/23 is designed to be added to any pre-cast cementitious material where finish, color definition, water repellency/proofing and a reduced failure rate is desirable.

## TECHNICAL AND PRODUCT DATA

- Appearance: Slightly opaque clear liquid
- Odor: None
- Toxicity: None
- Flammability: None
- pH: Neutral
- Shelf Life: Indefinite
- Weight: 60 lbs per gallon
- Freeze Temp: 32°F / 0°C
- Storage Temp: 35°F / 1.7°C
- 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 gal totes, 55 US gal drums, 5 US gal pails

## MAJOR ADVANTAGES OF VAPOR LOCK™ 20/23

- Active water repellent-Easy form release
- Water proofs concrete ( $1 \times 10^{-10}$  cm/s permeability ASTM D 5084)
- Increase Tensile Strength
- Increased strength
- Color is more true and consistent
- Corners and edges are sharper
- Increases density and hardness
- Increased abrasion resistance
- Easy form removal
- Effective in reducing:
  - Efflorescence
  - Spalling
  - Delamination
  - Spider cracking



SPECIALTY  
PRODUCTS  
GROUP

# VAPOR LOCK™ 20/23

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## APPLICATION INSTRUCTIONS

It is recommended that trial batches are made prior to production runs. Agitate aggressively or recirculate immediately prior to adding to batch. The recommended dosage rate for Vapor Lock™ 20/23 Pre-cast Plus is 14 oz per one hundred weight of cementitious materials. Vapor Lock™ 20/23 should be added with the head water or at the tail end.

## 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.