INFORMATION / TECHNICAL DATA SHEET
VAPOR LOCK™ 20/20

DESCRIPTION

Vapor Lock 20/20™ is a ready to use concrete admixture that has an organic chemical reaction with components of the cement and utilises the water of convenience to eliminate the route of moisture vapour 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 vapour 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

- Vapour proofs concrete (0.03US perms ASTM E 96)
- Water proofs concrete (9 - 10cm(s) permeability ASTM D 5084)
- Allows easy installation of no VOC (water-based) adhesives and 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

APPLICATION INSTRUCTIONS

Cast-in place concrete – **Vapor Lock 20/20** is dosed at 285g per 100 weight of the 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%.

SPECIAL HANDLING

Discard any frozen, separated, visually observable product.

SAFETY Please refer to Safety Data Sheet at www.biorokconstruct.com

TECHNICAL AND PRODUCT DATA

APPEARANCE	Golden
ODOUR	None
TOXICITY	None
FLAMMABILITY	None
PH	Neutral
SHELF LIFE	Indefinite
WEIGHT	27kg
SOLVENT	None, water base
ACID RESISTANCE	Excellent
HAZARDOUS VAPORS	None
CAPILLARY BREAK	Integral C-S-H
INSTALLATION	All cementitious materials
NUMBER OF COMPONENTS	1
PACKAGING	20L pails

WARRANTY DISCLAIMER

Properly dosed and finished **Vapor Lock 20/20** will provide concrete that is impermeable to 1x10-8 per ASTM D-5084 and 0.03 US perms per ASTM E 96 a rate of moisture vapor emission at which water-based adhesives and coatings will not fail due to vapour emission.

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