



EFFLOCK™ Permanent Efflorescence Curing Additive

A eco-friendly efflorescence curing additive that can be added to any type of concrete.

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NewLook's EFFLOCK™ is a unique admixture that reduces both primary and secondary efflorescence in concrete and masonry mixtures. Efflorescence occurs when moisture in concrete and masonry migrate to the surface carrying salt minerals that react with air to create calcium carbonate. This white chalky deposit can be very unsightly and difficult to remove. Unlike other admixtures that try to reduce efflorescence by slowing water intrusion, EFFLOCK's nano-fusion chemistry actually uses the presence of water to react with and purge minerals, chlorides, salts deposits and other impurities of concrete mixes at the nano-molecular level. It is specifically formulated for cement and mortar mixers. It is also excellent for pre-cast and poured-in-place concrete. NewLook's EFFLOCK™ is a chemically engineered water-based solution containing nano composites that react with impurities such as calcium and mineral based salt that can be found in mortar mixes, cement products and aggregates.

Common Applications

- All Cement Types
- Brick
- Concrete Roof Tiles
- Stucco
- Pour-in-place
- Ready-Mix Plants
- Pre-cast Concrete
- Any other cementitious products

Benefits

- Increases density and green strength of concrete
- More efficient and cleaner curing process
- Potential to reduce integral pigment loading due to improved color result
- Extends set time resulting in greater strength
- Helps improve the curing process and results in improved cosmetic appearance with fewer air pockets and pinholes
- May be used with all cement types including lime, calcium, alpha and beta gypsum, fly ash, volcanic ash and hydraulic cement
- Helps improve the reaction of densifiers and penetrating sealers by purging the salts and contaminants that inhibit penetration and efficient reaction
- Improves the long-term bonding of paint and sealers that are often compromised with an inefficient cure or leaching of efflorescence
- Provides excellent water and moisture screen
- Available in Liquid or Powder
- Very eco-friendly; no Volatile Organic Compounds (VOC's)
- Recommended to be incorporated by ready-mix plants, architectural block, concrete roof tile and paver manufacturers, makers of integral pigments, and other specialty mortar, micro-topping and overlay manufacturers

Test Data

Complies with

- ASTM C-33 Normal Weight Aggregates
- ASTM C-150 For Portland Cement
- ASTM C-55 Grade N Concrete Brick
- ASTM C-145 Grade N Solid Load Bearing Unit
- ASTM C-90 Grade N Hollow Load Bearing Unit
- ASTM C-494/494M For Hydraulic Cement

Mix Ratios

- **LIQUID**
- 6 – 8 oz (178 to 236 ml) Liquid per 100 lbs. (45 Kilos) of cement for a 3:1 sand/cement ratio
- 8 – 10 oz (236 ml to 296 ml) Liquid per 100 lbs. (45 Kilos) of cement for a 5:1 sand/cement ratio
- **POWDER**
- 3 – 4 oz (89 to 118 ml) Powder per 100 lbs. (45 Kilos) of cement for a 3:1 sand/cement ratio
- 4 – 5 oz. (118 ml to 148 ml) Powder per 100 lbs. (45 Kilos) of cement for a 5:1 sand/cement ratio

Storage

- Storage: Best if stored at room temperature between 40°F (4°C) and 105°F (40°C)
- Not classified as hazardous; safe to ship by ground, ocean, or air.
- Shelf-Life: 18-months for Liquid, 24-months for Powder

**** Note**** Mix ratios are approximates and may vary due to the mix and aggregates used. Certain mixes vary in salt and contaminant content.

Packaging

- 16 oz (472 ml) Liquid Sample Bottle
- 1 gallon (3.78 liters) Liquid
- 5 gallon (18.72 liters) - Liquid
- 55 gallon (208 liters) Drum or
- 275 gallon (1040 liter) Liquid Totes
- EFFLOCK Powder available upon request for bulk users.
- Contact NewLook for more information.

Warnings

KEEP AWAY FROM CHILDREN AND ANIMALS. Before using or handling, read the SDS and Product Instructions. **DO NOT CONSUME.** Avoid contact with eyes and skin. Wear rubber gloves, aprons and safety eye goggles. **DO NOT FREEZE.**

Other Information

Warranty: NewLook International, Inc. EFFLOCK™ Efflorescence Admixture is not intended for public use and are intended for use by licensed contractors and installers, experienced and trained in the use of these products. Product is warranted to be of uniform quality within manufacturing tolerances. The manufacturer has no control over the use of Product, therefore no other oral or written representation or statement of any kind, express or implied, now or hereafter made is authorized or warranted by NewLook International, Inc. or its affiliates, and NewLook International, Inc. and its affiliates hereby disclaims all such warranties, including those of merchantability or fitness for a particular purpose. In any case, the manufacturer's obligations shall be limited to refunding the purchase price or replacing material proven to be defective. NewLook International, Inc. shall not be liable for special, incidental, or consequential damages, including delays or lost profits. Communication of this warranty and its limitations to end users is not the responsibility of NewLook International, Inc. but should be communicated by those in direct contact with the end user. Any claim regarding product defect must be received in writing within thirty days from the date of purchase. No claim will be considered without such written notice or after the specified time interval. The end user shall be responsible for determining Product's suitability and assumes all risks and liability.

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