



# NewLook International, Inc. EFFLOCK TT™

## Topical Efflorescence Treatment

Technical Information Sheet

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NewLook's EFFLOCK TT is a unique liquid topical treatment for pre-existing concrete and masonry surfaces. EFFLOCK TT leverages the same EFFLOCK admixture technology that is designed to eliminate 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 bind minerals, chlorides, salts deposits and other impurities of concrete mixes at the nano-molecular level. It converts these into harmless matter that becomes part of the concrete. Although EFFLOCK Admixture is the preferred method to completely and permanently prevent efflorescence, when used properly, EFFLOCK TT will greatly hinder or help to completely stop primary and secondary efflorescence. EFFLOCK TT is remarkably successful when it is able to penetrate sufficiently to come into contact with impurities and salts deposits. For that reason, EFFLOCK TT has special penetrating aids to further improve its ability to penetrate the surface.

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**CHEMISTRY:** NewLook's EFFLOCK TT is a chemically engineered water-based solution containing nano-binding composites that react with impurities such as calcium and mineral based salt that can be found in mortar mixes, cement products and aggregates. This reaction binds these impurities permanently and prevents efflorescence salt from leaching out to the surface. The nanotechnology of EFFLOCK's chemistry is approximately 100,000 times smaller than even the smallest cement particle. This allows it to literally pass through cement minerals or (hollow) sand and become part of the mineral it reacts with. EFFLOCK reacts when hydrogen is present; it stops reacting when the concrete mix dries, but will react again when the concrete gets wet further improving the ability to lock out the efflorescence.

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### USES AND BENEFITS

- Used on existing concrete, block, stucco, masonry surfaces
  - Cures primary and secondary efflorescence permanently
  - Improves the long-term bonding of paint and sealers that are often compromised from an inefficient cure or the leaching of efflorescence
  - Provides an excellent water and moisture screen reducing the moisture from penetrating and creating new efflorescence
  - Very easy to use; Just spray and go!
  - Eco-Friendly; no Volatile Organic Compounds (VOC's)
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### PRIMARY APPLICATIONS

- Brick, concrete, block, stone, stucco, poured-in-place, pre-cast and any other cementations products
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### APPLICATION GUIDELINES

#### 1) THOROUGHLY CLEAN THE SURFACE

Prior to use, make sure the surface is thoroughly clean and free of debris and all foreign contaminants, such as oil,

grease, release, soil, dirt, soot, and efflorescence that may inhibit EFFLOCK TT's bond or ability to penetrate. It is appropriate to clean the surface deeply with the help of a pressure washer. Allow the cleaned surface to thoroughly dry as to allow the water to evaporate from within the pores of the surface.

## 2) FILL APPROPRIATE SPRAYER

EFFLOCK TT is packaged ready to use. Simply, shake the container or mix well to ensure a consistent suspension of all nano-particles throughout the solution. Then, pour EFFLOCK TT into a low-pressure sprayer or use with an airless sprayer (if available). A low-pressure sprayer, such as a garden, backpack or Hudson sprayer, is generally sufficient for horizontal surfaces. An airless paint sprayer may be helpful on vertical surfaces to increase the force of spray further improving the penetration depth.

## 3) APPLY LIBERALLY OVER THE SURFACE

In order for EFFLOCK TT to yield maximum benefit, it is essential for the EFFLOCK TT nano-particles to come into contact with *all* of the salts, contaminants, and impurities within the surface. As such, EFFLOCK TT must be sprayed liberally into the surface. The surface should soak up as much EFFLOCK TT as possible so the product can migrate deeply within the pores of the substrate. Spray over the same area repeatedly for about 15 minutes or until the surface begins to reject the material. Allow it to dry. Repeated applications may be necessary if the efflorescence is deep and excessive.

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## COVERAGE

EFFLOCK TT will treat approximately 125 – 200 square feet per gallon.

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## LIMITATIONS

EFFLOCK TT will bind in primary and secondary efflorescence. However, as it is sprayed applied to pre-existing surfaces with varying densities, porosities and depths, EFFLOCK TT may not be able to reach into all areas of the substrate and bind in all contaminants. As such, multiple applications over time may be necessary on severe surfaces as to mitigate the leaching of primary and secondary efflorescence.

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## UNIT SIZES

- 16 OZ Bottle
- 1 Gallon
- 5 Gallon
- 55 Gallon Drum

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## SAFETY

- Rubber gloves and safety glasses
- DO NOT ALLOW TO FREEZE

**\*\* KEEP OUT OF REACH OF CHILDREN\*\***

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## WARRANTY

The following warranty is made in lieu of all other warranties, either expressed or implied. This product is manufactured of selected raw materials by skilled technicians. Neither seller nor manufacturer has any knowledge or control concerning the purchaser's use. The only obligation of either seller or manufacturer shall be to replace any quantity of this product, which is proved to be defective. Any claim of defective product must be received in writing within one year from date of shipment. Neither seller nor manufacturer assumes any liability for injury, loss, or damage resulting from use of this product.