



EffLock™ Admixture System

Water-Based, Nano-Fusion Efflorescence-Preventing Admixture For Concrete Masonry Units And Masonry Mortar

Division 04 – Masonry

THESE SPECIFICATIONS ARE INTENDED TO ASSIST DESIGN PROFESSIONALS IN MODIFYING STANDARD 3-PART DIVISION 04 SPECIFICATIONS TO INCLUDE THE EFFLOCK WATER-BASED, NANO-FUSION ADMIXTURE SYSTEM FOR PREVENTING EFFLORESCENCE. EFFLOCK IS OFFERED IN A LIQUID OR POWDER FORM; IT IS INCORPORATED INTO CONCRETE MASONRY UNITS DURING THE MANUFACTURING PROCESS OR DURING MIXING.

PROPER MASONRY DESIGN, DETAILING AND CONSTRUCTION PRACTICES SHOULD ALWAYS BE FOLLOWED WHEN USING THE EFFLOCK ADMIXTURE TO ALLOW FOR SUFFICIENT CHEMICAL BINDING REACTION AND PREVENT THE MANIFESTATION OF EFFLORESCENCE.

THE FOLLOWING PARAGRAPHS ARE ADAPTABLE TO SPECIFICATION SECTIONS FOR BASIC MASONRY MATERIALS AND METHODS, CONCRETE MASONRY UNITS, AND MASONRY MORTAR, AS WELL AS SECTIONS THAT INCLUDE BOTH MASONRY UNITS AND MORTAR. THE OUTLINE NUMBERING SYSTEM USED HEREIN IS NOT INTENDED TO COORDINATE WITH ANY PARTICULAR GUIDE SPECIFICATION SYSTEM. NUMBERS AND OUTLINE LEVELS SHOULD BE EDITED TO MATCH THE SPECIFICATIONS BEING USED.

INCLUDE THE FOLLOWING SUBPARAGRAPHS UNDER THE PART 1 QUALITY ASSURANCE ARTICLE SPECIFYING QUALIFICATIONS OF THE CMU PRODUCER.

Concrete Masonry Units (CMU)

A. Qualifications

1. CMU Producer: EffLock Nano-Fusion Admixture for Preventing Efflorescence—
Certified CMU Producer as approved by NewLook International, Inc.—
Admixture Systems; (801) 886-9495.

INCLUDE THE FOLLOWING SUBPARAGRAPHS UNDER THE PART 2 ARTICLE SPECIFYING BASIC CONCRETE MASONRY UNITS: IF SPECIFICATION INCLUDES A REFERENCES SECTION IN PART 1, VERIFY THAT “ASTM E 514 STANDARD TEST METHOD FOR WATER PENETRATION AND LEAKAGE THROUGH MASONRY” IS INCLUDED IN THE REFERENCES LIST.

1. Provide integral admixture for preventing efflorescence in CMU exposed to exterior weather conditions:
 - a. Integral Nano-Fusion Admixture for Preventing Efflorescence: EffLock™ as supplied by NewLook International, Inc. – Admixture Systems; (801) 886-9495.

Masonry Mortar

INCLUDE THE FOLLOWING SUBPARAGRAPH UNDER THE ARTICLE OR PARAGRAPH SPECIFYING MORTAR MATERIALS OR MORTAR ADMIXTURES:

1. Integral Nano-Fusion Efflorescence-Preventing Admixture: EffLock™ Nano-Fusion Efflorescence-Preventing Mortar Admixture as Supplied by NewLook International, Inc.—(801) 886-9495.

INCLUDE THE FOLLOWING SUBPARAGRAPHS UNDER THE ARTICLE OR PARAGRAPH SPECIFYING MORTAR MIXES:

1. Integral Nano-Fusion Efflorescence-Preventing Admixture for Portland Cement/Lime Mixtures for Type M, S, or N Mortar—Exterior Exposed Condition: 8 fluid ounces to 10 fluid ounces (237 mL – 296 mL) per each 100 lbs of cement material mixed in accordance with ASMT C 270, and admixture Technical Data Sheet and label instructions.
2. Integral Nano-Fusion Efflorescence-Preventing Admixture for Pre-Blended Type M, S, or N Mortar—Exterior Exposed Condition: 8 fluid ounces to 10 fluid ounces (237 mL – 296 mL) per each 100 lbs of cement material mixed in accordance with ASTM C 270, and admixture Technical Data Sheet and label instructions.