COREVFLASH™

COREVFLASH MASTIC

COREVFLASH: A ready-mixed, non-cementitious, one-component, seamless, acrylic polymer-based coating that cures to form a flexible, fully bonded, elastomeric membrane when applied directly to approved substrates.

COREVFLASH is roller, trowel or spray applied and provides a secondary air and water barrier, while maintaining vapor permeability, allowing wall cavities to breathe.

COREVFLASH has to be used in conjunction CorevFlash Net, non-woven blend fabric, to seal substrate around the windows, doors and another openings.

Recommended Use

COREVFLASH may be used to provide an air and water barrier on construction surfaces such as exterior grade gypsum sheathing, DensGlass, concrete masonry units (CMU), plywood and oriented strand board (OSB). COREVFLASH may also be used as an element of the PRECOR System or the PRECOR-SB System in order to provide a water-resistive secondary barrier over approved substrates.

Coverage

Each 5 gallon bucket of COREVFLASH covers approximately 200ft² to 300 ft², depending on the substrate.

Properties

Working Time
The working time of COREVFLASH is approximately 3 to 6 hours, depending on ambient temperature and humidity.

Drying Time
Initial set: 3 hours @77ºF, 50% RH
Cure: 72 hours @77ºF, 50% RH
Low temperature and high humidity may extend set and cure times. Expanded polystyrene foam board may be installed after 12 hours.

Tensile Bond Strength (ASTM C297):
Water resistive barrier (both with and without gap condition) met the minimum 15 psi (103.4 kPa) tensile bond strength requirements per Section 4.1 of ICC ES AC212, effective March 1, 2005

Water Resistance (ASTM D2247):
No signs of cracking, crazing, blistering, erosion or other deleterious effects observed; in compliance with requirements in accordance with Section 4.3 of ICC ES AC212, effective March 1, 2005

Water Vapor Transmission (ASTM E96):
Meets requirements for Grade C water resistive barriers per ICC ES Acceptance Criteria for Water-resistive Barriers, (AC38), approved June 2004

Water Penetration (ASTM E331):
No visible water penetration at sheathing joins or any other location, in any of the panels tested. Panels comply with the requirements of Section 4.5 of ICC ES AC212, effective March 1, 2005.

Rate of Air Leakage (ASTM E283):
1.08 CFM = 1.08/32 sq. ft. = 0.034 CFM/ft2

Tensile Strength (ASTM D2370):
105.97 psi average

Mandrel Bend Test (ASTM D522, Method B):
No cracking visible to the unaided eye. Pass

Tensile Strength and Elongation (ASTM D412):

Average elongation 0.406"; Average Tensile Stress 476.912 psi

Peel Adhesion to Metal (ASTM D903)

180° Peel-Dry 4.29 pli.
180° Peel - 1 hr soak 4.13 pli

Tensile Bond Adhesion to Metal (ASTM D5179)

Tensile Bond Strength dry 38 psi
Tensile Bond Strength 1 hr soak 31 psi

VOC Compliance: COREVFLASH complies with all known regulations limiting the Volatile Organic Compound (VOC) content of architectural coatings and sealers.

Packaging (5 gallon bucket)
54 lbs. per bucket net
57 lbs. per bucket gross

Application

Surface Preparation
The approved substrate must be sound and free of paint, dirt, grease, oil, efflorescence, form release agents and curing compounds.

Mixing
Prior to application to the substrate, COREVFLASH should be stirred with a slow speed drill and paddle. No additives should be put into the finish.

Application Procedures
Initial joint treatment (if applying over a sheathed substrate): First, prepare the sheathing joints. Using a ¾" nap roller, apply an even layer of COREVFLASH over COREVFLASH TAPE, covering sheathing joints and corners (if applying over a sheathed substrate).

Ensure that COREVFLASH TAPE is fully embedded in the IMPERCOREV, that no mesh color is visible, and that all voids in joints are filled.
Allow the COREVFLASH applied over the joints to dry to the touch before proceeding.

Application to entire surface: Use a 3/4" nap roller or spray equipment to apply a minimum 30 mil wet film thickness (20 mil dry film thickness) of COREVFLASH over the entire approved substrate.

Absorption and texture characteristics of substrates vary, and a second coating of COREVFLASH may be necessary in order to achieve the minimum required dry film thickness.

Clean-Up

Tools should be cleaned with water while

the COREVFLASH is still wet.

Storage

Store COREVFLASH in its original containers at temperatures not less than 40°F (4 ° C) or greater than 110°F (43°C). Store out of direct sunlight. Do not stack buckets more than 3 high.buckets more than 3 high.

Shelf Life

Approximately 1 year if properly stored.

Warranty

Corev America's COREVFLASH is conditionally warranted as a secondary air and water barrier. FOR COMPLETE INFORMATION, CONSULT THE MANUFACTURER'S MSDS AND PRODUCT WARRANTIES. This warranty does not apply to any party constituting a "consumer" for purposes of the Magnuson-Moss Warranty Act. All other warranties, whether expressed or implied, including without limitation any warranty of merchantability or fitness for purpose are expressly disclaimed.

Limitations

Ambient air and substrate temperatures must be above 40°F (4°C) and must not fall below 40°F (4°C) until the COREVFLASH has cured for a minimum of 8 hours.

Safety

ALWAYS WEAR APPROPRIATE EYE AND SKIN PROTECTION WHEN USING THIS PRODUCT. HARMFUL IF SWALLOWED. BEFORE APPLYING THE PRODUCTS REFER TO THE COMPLETE LONG FORM SPECIFICATIONS OF THE COREV AMERICA PRECOR EIFS SYSTEM.

Information contained in this bulletin conforms to the standard detail recommendations and specifications for the installation of Corev products and is presented in good faith. Corev assumes no liability, expressed or implied, as to the architecture, engineering, or workmanship of any project.

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