

IMPERCOREV™

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IMPERCOREV: 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.

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

Recommended Use

IMPERCOREV 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). IMPERCOREV 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 IMPERCOREV covers approximately 200ft² to 300 ft², depending on the substrate.

Properties

Working Time

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

Drying Time

Initial set: 3 hours @77°F, 50% RH

Cure: 72 hours @77°F, 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 joints 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, MethodB):

No cracking visible to the unaided eye. Pass

Tensile Strength and Elongation

(ASTM D412): Average elongation 0.406"; Average Tensile Stress 476.912 psi

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

Packaging (5 gallon bucket)

52 lbs. per bucket net

54 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, IMPERCOREV 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 IMPERCOREV over COREVNET-DTA, covering sheathing joints and corners (if applying over a sheathed substrate).

Ensure that COREVNET-DTA is fully embedded in the IMPERCOREV, that no mesh color is visible, and that all voids in joints are filled.

Allow the IMPERCOREV applied over the joints to dry to the touch before proceeding.

Application to entire surface: Use a ¾" nap roller or spray equipment to apply a minimum 30 mil wet film thickness (20 mil dry film thickness) of IMPERCOREV over the entire approved substrate.

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

Clean-Up

Tools should be cleaned with water while the IMPERCOREV is still wet.

Storage

Store IMPERCOREV 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 IMPERCOREV 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 IMPERCOREV has cured for a minimum of 8 hours. IMPERCOREV is not designed or intended to be permanently exposed to exterior elements, and should be protected from damage while exposed.

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.