CODE EVALUATION REPORT

CERUS-1015

PUBLISHED: June 2023
EXPIRATION: June 2025

PRODUCT(s): **Green Cork Spray**

REPORT HOLDER: Green Cork Holdings, LLC

CONTACT DETAILS: 10645 N Tatum Blvd 200-235
Phoenix, Arizona
85028 USA

CSI DIVISIONS: **09 00 00 – Finishes**

CSI SECTION: 09 96 53 – Elastomeric Coatings

APPLICABLE CODES: 2021, 2018, 2015 International Building Code (IBC)
2021, 2018, 2015 International Residential Code (IRC)

EVALUATED: Physical Properties.
Surface-Burning Characteristics

1.0 APPROVED FOR FOLLOWING:

APPROVED TYPES OF CONSTRUCTION:	IAB, IIAB, IIIB, IVAB, VAB[1]
APPROVED USE:	Exterior and Interior Finish.
APPROVED INSTALLATIONS:	• Exterior and Interior Walls, not including fire-resistance rated construction. • Use as combustible exterior component on exterior walls.

Note 1: Green Cork Spray is approved for use in fire-resistance rated applications where the fire separation distance is > 10 ft (3048 mm) as product is approved for orientations of fire facing the inside.

2.0 DESCRIPTION:

2.1 General:

Green Cork Spray is an elastomeric coating approved for exterior and interior applications in areas governed by the 2021 / 2018 / 2015 IBC and 2021 / 2018 / 2015 IRC. Green Cork Spray is a one-part cork aggregate based elastomeric coating intended for two pass applications to achieve minimum 60 mils (1.5 mm) wet film thickness with each pass. The coating product is available in a variety of customer ordered color variations. Green Cork Spray is resistant to fungi when evaluated in accordance with ASTM G21. Where used in interior applications, Green Cork Spray has a Class A interior finish rating, with a flame spread index of ≤ 25 and smoke developed index of ≤ 450 when evaluated in accordance with ASTM E84. When used in exterior applications in Types I-IV construction, installation is to be in accordance with Section 4.4 of this report. Green Cork Spray is approved for use in fire-resistance rated wall applications when installed in accordance with Section 4.3 of this report with the limitations noted.

Green Cork Spray is not intended for below-grade applications.

3.0 DESIGN:

Green Cork Spray is a nonstructural interior or exterior finish coating product that does not require design.

4.0 INSTALLATIONS:

4.1 General:

Installation of Green Cork Spray must comply with the manufacturer's published installation instructions, this report, and the applicable code(s). Where differences are found, this report and the applicable building code shall be followed.

Green Cork Spray is to be applied over clean, dry and dirt free substrates to promote bonding. Application of Green Cork Spray is recommended at temperatures above 40^0F (4^oC).

4.1.1 Special Inspection:

Green Cork Spray does not require Special Inspection.

4.2 Applications:

Green Cork Spray is approved for installation over code compliant cementitious substrates such as plastering/stucco system, concrete or concrete masonry units.

Application is made in two passes, each pass applied uniformly at a recommended nominal wet film thickness target of 60 mils (1.5 mm). The first pass provides the coverage coating, with the second pass providing the texture coating. The second pass is to be applied after the first pass has completely dried, which is typically between 12-24 hours depending on ambient temperature and humidity conditions.

Green Cork Spray coating is applied uniformly using approved application instructions.

4.3 Fire-Resistance Rated Construction

Green Cork Spray can be added to fire-resistance rated walls rated from the interior direction facing fire, without detracting from the original fire-resistance rating.

Green Cork Spray is not approved for use on fire-resistance rated walls where resistance is required from the exterior surface facing fire.

4.4 Types I-IV Construction

Green Cork Spray is a combustible material approved for use on the exterior side of exterior walls where the following limitations are met:

1. Incident Radiant Heat Energy per NFPA 268 based on fire separation distance is not required.
2. Height above grade is maximum of 40 ft (12.2 m).

5.0 LIMITATIONS

- Installation of Green Cork Spray products are to comply with the applicable codes, this report and the manufacturer's installation instructions. Where conflicts are found, this report and the applicable code take precedence.
- Green Cork Spray is intended for installation over code complying cementitious substrates such as plastering/stucco system, concrete and concrete masonry units.
- Green Cork Spray is approved for use as an exterior coating on fire-resistance rated walls, where the underlying wall is rated from the interior facing fire. Green Cork Spray is not approved for use in fire-resistance rated assemblies where an exterior facing fire-resistance rating is required.
- Green Cork Spray is approved for use as combustible material for use in non-combustible (Types I-IV construction) where used on the exterior side of exterior walls when installed in accordance with Section 4.4 of this report.
- Green Cork Spray products are manufactured in Phoenix, AZ with inspections by QAI Laboratories.

6.0 SUPPORTING INFORMATION:

The following data has been submitted and evaluated for Green Cork Spray coating products:

- Data outlining compliance for surface burning characteristics evaluated to ASTM E84.
- Durability and adhesion assessments.

7.0 MARKING:

Green Cork Spray products complying with this report, include the following information:

Figure 1. Green Cork Spray Finished Product Label Including CER$_{US}$-1015 and QAI Certification Mark

9.0 ELIGIBILITY OF REPORT

QAI's Code Evaluation Report complies with the 2021 / 2018 / 2015 IBC Section 104.11 *Alternative materials, design and methods of construction and equipment* subsection 104.11.1 *Research Reports*. Supporting data has been evaluated by QAI for compliance of the noted materials and assemblies to the applicable code by QAI, and *approved* source as detailed below.

The attached report has been reviewed by a QAI Registered Professional Engineer approved by the specific state Board of Professional Engineers noted on the specific P.E. seal(s).

Per section 1703 of the IBC, QAI is an independent third-party testing, inspection and certification agency accredited by the International Accreditation Service, Inc. (IAS) for this specific scope (see IAS PCA-118, PCA-119). QAI can confirm that based on its IAS accreditation it meets IBC Section 1703.1 on Independence, Section 1703.1.2 on Equipment and Section 1703.1 on Personnel.

This Evaluation report has been designed to meet the performance requirements of IBC Section 1703.4 and contains the required information to show the product, material or assembly meets the applicable code requirements.

The product is labeled per section IBC 1703 and subject to follow-up inspection per IBC 1703.6 using QAI IAS accredited ISO 17020 inspection program (see IAS AA-635, AA-723).

For more information regarding QAI Laboratories, please visit www.qai.org.

The above is an example of the QAI registered Listing mark. The Listing mark may only be used by the Report Holder per the QAI service agreement on products defined in this report. The 'us' indicator in the 8 o'clock position indicates the product complies with the properties evaluated with limitations outlined in this report for use in the US market. A 'c' indicator in the 4 o'clock position indicates the product has been evaluated for use in the Canadian market.

10.0 REFERENCED STANDARDS

ASTM E84 *Standard Test Method for Surface Burning Characteristics of Building Materials*.
ASTM G21 *Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi*.
NFPA 268 *Standard Test Method for Determining Ignitability of Exterior Wall Assemblies Using a Radiant Heat Energy Source*.
ASTM E119 *Standard Test Methods for Fire Tests of Building Construction and Materials*.