ICC EVALUATION SERVICE®

ICC-ES Evaluation Report

ESR-4660

Issued October 2020

This report is subject to renewal October 2021.

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DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
Section: 07 11 00—Dampproofing
Section: 07 14 00—Fluid-Applied Waterproofing

REPORT HOLDER:

INNOVATIVE WATERPROOFING SOLUTIONS

EVALUATION SUBJECT:

IWS WATER PROOF

1.0 EVALUATION SCOPE

1.1 Compliance with the following codes:

- 2021 and 2018 *International Building Code®* (IBC)
- 2021 and 2018 *International Residential Code®* (IRC)

Properties evaluated:

- Foundation waterproofing
- Foundation dampproofing

2.0 USES

IWS Water Proof is a fluid-applied dampproofing and waterproofing membrane applied to the exterior of foundation walls of parged or unparged concrete masonry units and cast-in-place concrete. The membrane is an alternative to the dampproofing and waterproofing materials described in Section 1805 of the 2021 and 2018 IBC and Section R406 of the 2021 and 2018 IRC.

3.0 DESCRIPTION

IWS Water Proof is a fluid-applied rubber-modified emulsified asphalt membrane. The membrane has a resistance to hydrostatic pressure of 4.5 psi (31 kPa) when tested over a $^{1}/_{16}$-inch-wide (1.6 mm) crack, when applied in accordance with Section 4.0 and tested in accordance with ASTM C1306. The material is supplied in 55-gallon (208 L) drums, and 330-gallon (1249 L) totes and bulk containers, and has a one year shelf life when stored in unopened containers. Manufacturer's recommended storage temperature ranges between 45°F and 100°F (7.2°C and 37.8°C).

4.0 INSTALLATION

Installation of IWS Water Proof must comply with this report and the manufacturer's published installation instructions. The manufacturer's published installation instructions must be available at the jobsite at all times during installation.

The surface to which the coating is applied must be structurally sound, clean, and dry, and free of dust, mud, loose mortar, sand, soil, frost or other loose materials. Additionally, there must be no fins, metal projections or any substance that will prevent bonding of the coating membranes to the surface. Voids in concrete, tie holes and honeycombed areas in the foundation wall must be filled with nonshrinking grout or an asphalt-based mastic. Where nonshrinking grout is used for filling voids, the grout must be allowed to cure before the membrane is applied. Concrete and parged masonry surfaces must be cured and dry prior to application of the liquid waterproofing membrane.

IWS Water Proof is brush-, roller- or spray-applied in one coat, to a wet film thickness of 60 mils (1.52 mm), which cures to achieve a dry film thickness of 40 mils (1.0 mm), to the exterior vertical surfaces of below-grade foundation walls of parged or unparged concrete masonry units or cast-in-place concreteconstruction.

The air temperature for application must be a minimum of 30°F (-1.1°C) (there is no maximum temperature limit).

The coating shall be allowed to cure for a period of 24 to 48 hours, depending on ambient temperature, before any backfill is placed against the wall. Protection boards shall be provided to protect the waterproofing when backfill contains angular stone or other sharp objects.

5.0 CONDITIONS OF USE

The IWS Water Proof described in this report comply with, or is a suitable alternative to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

5.1 Installation shall comply with this report, the manufacturer's published installation instructions and the applicable code. If there is a conflict between the installation instructions and this report, this report shall govern.

5.2 The coatings are limited to applications on the exterior vertical surfaces of below-grade foundation walls.

5.3 Joints and penetrations of the walls to which the membrane is applied must be made watertight in accordance with the requirements of the applicable code.

5.4 This report is limited to an evaluation of the coatings applied to the minimum thickness stated in Section 4.0 of this report.

5.5 Application of the coatings on uncured ("green") concrete is outside the scope of this report.

5.6 When use is in dampproofing applications, a subsurface soil investigation of the level of ground water at the construction site must be performed to verify the nonexistence of hydrostatic pressure.

6.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Acceptance Criteria for Cold, Liquid-applied, Below-grade, Exterior Dampproofing and Waterproofing Materials (AC29), dated June 2011 (editorially revised August 2020).

7.0 IDENTIFICATION

7.1 Containers of IWS Water Proof as described in this report shall be identified by a label bearing the manufacturer's name (Innovative Waterproofing Solutions) and address, the product name, and the evaluation report number (ESR-4660).

7.2 The report holder's contact information is the following:

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1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that IWS Water Proof, recognized in ICC-ES evaluation report ESR-4660, has also been evaluated for compliance with the codes noted below.

Applicable code editions:

- 2020 and 2017 *Florida Building Code—Building*
- 2020 and 2017 *Florida Building Code—Residential*

2.0 CONCLUSIONS

The IWS Water Proof, described in Sections 2.0 through 7.0 of ICC-ES evaluation report ESR-4660, complies with the *Florida Building Code—Building* and the *Florida Building Code—Residential*, provided the design requirements are determined in accordance with the *Florida Building Code-Building* or the *Florida Building Code-Residential,* as applicable. The installation requirements noted in ICC-ES evaluation report ESR-4660 for the 2018 and 2015 *International Building Code®* meet the requirements of the *Florida Building Code—Building* or the *Florida Building Code—Residential.*

For products falling under Florida Rule 61G20-3, verification that the report holder's quality assurance program is audited by a quality assurance entity approved by the Florida Building Commission for the type of inspections being conducted is the responsibility of an approved validation entity (or the code official when the report holder does not possess an approval by the Commission).

This supplement expires concurrently with the evaluation report, issued October 2020.