

ICC-ES Evaluation Report

ESR-4660

Reissued October 2024


This report also contains:

- City of LA Supplement
- CA Supplement
- FL Supplement

Subject to renewal October 2025

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<p>DIVISION: 07 00 00 — THERMAL AND MOISTURE PROTECTION</p> <p>Section: 07 11 00 — Dampproofing</p> <p>Section: 07 14 00— Fluid-Applied Waterproofing</p>	<p>REPORT HOLDER: INNOVATIVE WATERPROOFING SOLUTIONS</p>	<p>EVALUATION SUBJECT: IWS WATER PROOF</p>	
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1.0 EVALUATION SCOPE

1.1 Compliance with the following codes:

- 2021, 2018, 2015, 2012 and 2009 [International Building Code® \(IBC\)](#)
- 2021, 2018, 2015, 2012 and 2009 [International Residential Code® \(IRC\)](#)
- 2013 Abu Dhabi International Building Code (ADIBC)†

† The ADIBC is based on the 2009 IBC. 2009 IBC code sections referenced in this report are the same sections in the ADIBC.

Properties evaluated:

- Foundation waterproofing
- Foundation dampproofing

1.2 Evaluation to the following green standards:

2020, 2015, 2012 and 2008 ICC 700 [National Green Building Standard™](#) (ICC 700-2020, ICC 700-2015, ICC 700-2012 and ICC 700-2008)

Attribute verified:

See Section 3.0

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 IBC Section 1805 and IRC Section R406.

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).

The attributes of the fluid-applied waterproofing membrane have been verified as conforming to the provisions of (i) ICC 700-2020 Sections 602.1.2 and 11.602.1.2; (ii) ICC 700-2015 and ICC 700-2012 Section 602.1.2; and (iii) ICC 700-2008 Section 602.11 for foundation waterproofing. Note that decisions on compliance for those areas rest with the user of this report. The user is advised of the project-specific provisions that may be contingent upon meeting specific conditions, and the verification of those conditions is outside the scope of this report. These codes or standards often provide supplemental information as guidance.

4.0 DESIGN AND 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 concrete construction.

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 The ICC-ES mark of conformity, electronic labeling, or the evaluation report number (ICC-ES ESR-4660), along with the name, registered trademark, or registered logo of the report holder must be included in the product label.

7.2 In addition, 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).

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

INNOVATIVE WATERPROOFING SOLUTIONS

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CHESTERFIELD, MICHIGAN 48051

(810) 343-3781

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john@iwaterproofingsolutions.com

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 REPORT PURPOSE AND SCOPE**Purpose:**

The purpose of this evaluation report supplement is to indicate that IWS Water Proof, described in ICC-ES evaluation report [ESR-4660](#), has also been evaluated for compliance with the codes noted below as adopted by the Los Angeles Department of Building and Safety (LADBS).

Applicable code editions:

- 2020 *City of Los Angeles Building Code* ([LABC](#))
- 2020 *City of Los Angeles Residential Code* ([LARC](#))

2.0 CONCLUSIONS

The IWS Water Proof, described in Sections 2.0 through 7.0 of the evaluation report [ESR-4660](#), complies with the LABC Chapter 18, and the LARC Chapter 4, and is subject to the conditions of use described in this supplement.

3.0 CONDITIONS OF USE

The IWS Water Proof described in this evaluation report supplement must comply with all of the following conditions:

- All applicable sections in the evaluation report [ESR-4660](#).
- The design, installation, conditions of use and identification of the IWS Water Proof are in accordance with the 2018 *International Building Code*® (IBC) and 2018 *International Residential Code*® (IRC) provisions noted in the evaluation report [ESR-4660](#).

This supplement expires concurrently with the evaluation report, reissued October 2024.

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 REPORT PURPOSE AND SCOPE**Purpose:**

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

Applicable code edition(s):

- 2019 *California Building Code* (CBC)

For evaluation of applicable chapters adopted by the California Office of Statewide Health Planning and Development (OSHPD) AKA: California Department of Health Care Access and Information (HCAI) and the Division of State Architect (DSA), see Sections 2.1.1 and 2.1.2 below.

- 2019 *California Residential Code* (CRC)

2.0 CONCLUSIONS**2.1 CBC:**

The IWS Water Proof, described in Sections 2.0 through 7.0 of the evaluation report ESR-4660, complies with CBC Chapter 18, provided the design and installation are in accordance with the 2018 *International Building Code*® (IBC) provisions noted in the evaluation report and the additional requirements of CBC Chapter 18, as applicable.

2.1.1 OSHPD:

The applicable OSHPD Sections and Chapters of the CBC are beyond the scope of this supplement.

2.1.2 DSA:

The applicable DSA Sections and Chapters of the CBC are beyond the scope of this supplement.

2.2 CRC:

The IWS Water Proof, described in Sections 2.0 through 7.0 of the evaluation report ESR-4660, complies with CRC Chapter 4, provided the design and installation are in accordance with the 2018 *International Residential Code*® (IRC) provisions noted in the evaluation report and the additional requirements of CRC Chapter 4, as applicable.

This supplement expires concurrently with the evaluation report, reissued October 2024.

DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
Section: 07 11 00—Dampproofing
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REPORT HOLDER:

INNOVATIVE WATERPROOFING SOLUTIONS

EVALUATION SUBJECT:

IWS WATER PROOF

1.0 REPORT PURPOSE AND SCOPE**Purpose:**

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

Applicable code editions:

- 2020 *Florida Building Code—Building*
- 2020 *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*. The design requirements must be 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 *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).

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