



- Compliance with International Codes
- Compliance with State Codes

ICC-ES Evaluation Report ESR-1416

Reissued September 2022

This report is subject to renewal September 2024.

DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION

Section: 07 11 00—Dampproofing

Section: 07 14 00—Fluid-Applied Waterproofing

REPORT HOLDER:

DEAN ENTERPRISES, INC.

EVALUATION SUBJECT:

DECO 20 SEAL WATERPROOFING MEMBRANE

1.0 EVALUATION SCOPE

1.1 Compliance with the following codes:

- 2021, 2018, 2015, 2012, 2009 and 2006 *International Building Code*® (IBC)
- 2021, 2018, 2015, 2012, 2009 and 2006 *International Residential Code*® (IRC)

Property 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

DECO 20 Seal Waterproofing Membrane is a fluid-applied dampproofing and waterproofing membrane applied to the exterior of foundation walls of cast concrete or parged and nonparged masonry unit construction. The membranes are alternates to the dampproofing materials specified in 2021, 2018, 2015, 2012 and 2009 IBC Section 1805.2.2 (2006 IBC Section 1807.2.2) and IRC Section R406.1. The membranes are also alternatives to the waterproofing materials specified in 2021, 2018, 2015, 2012 and 2009 IBC Section 1805.3.2 (2006 IBC Section 1807.3.2) and IRC R406.2.

3.0 DESCRIPTION

DECO 20 Seal Waterproofing Membrane is a 100 percent water-based, acrylic polymer resin coating. The membrane has a maximum allowable resistance to hydrostatic pressure of 2.5 psi (17.2 kPa) when tested over a 1/16-inch-wide (1.6 mm) crack in accordance with ASTM C1306. The coating is supplied in 5-gallon (19.0 L) containers, 55-gallon (208 L) drums and 265-gallon (1002 L) totes.

The attribute of the DECO 20 Seal Waterproofing Membrane has 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 INSTALLATION

Installation of DECO 20 Seal Waterproofing Membrane shall comply with this report and the manufacturer's published installation instructions. In the event of conflict between this report and the installation instructions, this report shall govern. The manufacturer's published installation instructions shall be available at the jobsite at all times during installation.

DECO 20 Seal Waterproofing Membrane shall be applied to the exterior vertical surfaces of foundation walls of cast concrete or parged and nonparged masonry unit construction. Before applying the waterproofing to an exterior foundation surface, the surface shall be structurally sound, clean, dry, and free of dust, mud, loose mortar, sand, soil, frost or other loose materials. Additionally, there shall be no fins, metal projections or any substance that will prevent bonding of the membrane to the surface. Holes and recesses resulting from the removal of form ties shall be sealed with a bituminous material or by other approved methods or materials.

The air temperature for application shall be limited to a minimum of 28°F (-3°C). The minimum dry film thickness of the applied membrane shall be 0.017 inch [(0.43 mm)

(17 mils)]. The membrane shall be allowed to cure for a period of 4 to 48 hours (depending on environmental conditions) before any backfill is placed against the wall, unless membrane protection is provided.

5.0 CONDITIONS OF USE

The DECO 20 Seal Waterproofing Membrane described in this report complies 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.
- 5.2 DECO 20 Seal Waterproofing Membrane shall be limited to applications on the exterior vertical surfaces of foundation walls of cast concrete or parged and nonparged masonry unit construction.
- 5.3 Joints and penetrations of the walls to which DECO 20 Seal Waterproofing Membrane is to be applied shall be made watertight in accordance with the applicable code.
- 5.4 This report is limited to an evaluation of DECO 20 Seal Waterproofing Membrane applied at a minimum wet film thickness of 0.025 inch [(0.63 mm) (25 mils)], which cures to a minimum dry film thickness of 0.017 inch [(0.43 mm) (17 mils)].
- 5.5 When use is in dampproofing applications, a subsurface soil investigation of the level of groundwater at the construction site must be performed to verify the nonexistence of hydrostatic pressure.

6.0 EVIDENCE SUBMITTED

- 6.1 Manufacturer's published installation instructions and manufacturer's descriptive literature.
- 6.2 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).
- 6.3 A quality control manual.

7.0 IDENTIFICATION

- 7.1 Containers of DECO 20 Seal Waterproofing Membrane as described in this report shall be identified by a label bearing the manufacturer's name (DECO Products) and address, the product name and the evaluation report number (ESR-1416).
- 7.2 The report holder's contact information is the following:

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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:****DEAN ENTERPRISES, INC****EVALUATION SUBJECT:****DECO 20 SEAL WATERPROOFING MEMBRANE****1.0 REPORT PURPOSE AND SCOPE****Purpose:**

The purpose of this evaluation report supplement is to indicate that Deco 20 Seal Waterproofing Membrane, described in ICC-ES evaluation report ESR-1416, has also been evaluated for compliance with the code(s) noted below.

Applicable code edition(s):

- 2022 and 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.

- 2022 and 2019 *California Residential Code* (CRC)

2.0 CONCLUSIONS**2.1 CBC:**

The Deco 20 Seal Waterproofing Membrane, described in Sections 2.0 through 7.0 of the evaluation report ESR-1416, complies with CBC Chapter 18, provided the design and installation are in accordance with the 2021 and 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 Deco 20 Seal Waterproofing Membrane, described in Sections 2.0 through 7.0 of the evaluation report ESR-1416, complies with CRC Section R406, provided the design and installation are in accordance with the 2021 and 2018 *International Residential Code*® (IRC) provisions noted in the evaluation report and the additional requirements of CRC Section R406, as applicable.

This supplement expires concurrently with the evaluation report, reissued September 2022.