

ICC-ES Evaluation Report

ESR-5133

Issued March 2025


This report also contains:

- [City of LA Supplement](#)
- [CA Supplement](#)
- [FL Supplement](#)

Subject to renewal March 2026

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DIVISION: 07 00 00— THERMAL AND MOISTURE PROTECTION Section: 07 24 00— Exterior Insulation and Finish Systems Section: 07 24 19— Water-Drainage Exterior Insulation and Finish System	REPORT HOLDER: TREMCO CPG, INC.	EVALUATION SUBJECT: DRYVIT OUTSULATION® MINERAL WOOL SYSTEM	
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1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2024, 2021, 2018, 2015, 2012 and 2009 [International Building Code® \(IBC\)](#)
- 2024, 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:

PROPERTY	IBC CHAPTER	IRC CHAPTER
Exterior insulation and finish systems (EIFS)	14	R7
Weather resistance	14	R7
Ignition resistance	14	NA
Types I-IV (noncombustible) construction	7	NA
Fire-resistance-rated construction	7	R3
Special inspections	17	NA
Structural – transverse wind load resistance	16	R6

2.0 USES

The Dryvit Outsulation® Mineral Wool System is an exterior insulation and finish system (EIFS) complying with 2024, 2021 and 2018 IBC Section 1407 (2015, 2012 and 2009 IBC Section 1408) and IRC Section R703.9. The system complies as an EIFS with drainage in accordance with 2024, 2021 and 2018 IBC Section 1407.4.1 (2015, 2012 and 2009 IBC Section 1408.4.1) and IRC Section R703.9.

The system may be used in fire-resistance-rated Type V construction, when installed in accordance with Section 4.6 of this report, and in Types I, II, III and IV construction when installed in accordance with Section 4.5 of this report.

3.0 DESCRIPTION

3.1 System Components:

See [Table 1](#). The system consists of water-resistive coatings, mineral wool insulation, basecoat, reinforcing mesh and finish.

3.2 Insulation Board:

Insulation boards must be one of the following:

- a. Rockwool Frontrock[™] Mono Density semi rigid stone wool insulation boards complying with ASTM C612, Type IVA. The boards are nominally 24 inches long by 48 inches wide (610 mm by 1219 mm) with a minimum nominal thickness of 1½ inches (63.5 mm). The boards are noncombustible in accordance with ASTM E136 and have a flame spread index of 25 or less and a smoke developed index of 450 or less.
- b. Rockwool Frontrock[™] Dual Density semi rigid stone wool insulation boards complying with ASTM C612, Type IVA. The boards are nominally 24 inches long by 48 inches wide (610 mm by 1219 mm) with a minimum nominal thickness of 2½ inches (63.5 mm). The boards are noncombustible in accordance with ASTM E136 and have a flame spread index of 25 or less and a smoke developed index of 450 or less.

3.3 Substrates:

Substrates must be one of the following:

- Gypsum sheathing board complying with ASTM C1396 or ASTM C1177 or Tremco CPG Inc.'s SECUROCK ExoAir 430 System ([ESR-4423](#)). When used as part of a fire-resistive-rated assembly, the gypsum wallboard must be Type X with a minimum thickness of 5/8 inch (15.9 mm).
- Brick or concrete masonry complying with the code.
- Concrete complying with the code.
- Exposure 1 wood structural panels complying with DOC PS-1 or PS-2.

3.4 Sealants:

Sealants must comply with ASTM C920, Type S or M, minimum Grade NS, minimum Class 25 and Use O.

4.0 INSTALLATION

4.1 General:

The Dryvit Outsulation[®] Mineral Wool System must be installed in accordance with 2024, 2021 and 2018 IBC Section 1407 (2015, 2012 and 2009 IBC Section 1408), IRC Section R703.9 and the manufacturer's application instructions, specifications and installation details.

4.2 Drainage:

Drainage is provided by applying Genesis, or Genesis DM adhesive in a vertical notched trowel configuration between the water-resistive barrier and the mineral wool insulation board.

4.3 Wind Design:

[Table 2](#) describes specific assemblies for which test data has been submitted. Other assemblies may be considered for approval by local code officials based on testing and/or calculations of a qualified design professional.

4.4 Weather Protection:

The Dryvit Outsulation[®] Mineral Wool System complies with 2024, 2021 and 2018 IBC Section 1402.2 (2015, 2012 and 2009 IBC Section 1403.2) and IRC Section R703.1.1.

4.5 Types I, II, III and IV Construction:

[Table 3](#) describes assemblies using the Dryvit Outsulation[®] Mineral Wool System that are qualified for use in Types I through IV construction.

4.6 Fire-resistance-rated Construction Assemblies:

[Table 4](#) describes assemblies using the Dryvit Outsulation[®] Mineral Wool System that are qualified for use in nonload-bearing and load-bearing fire-resistance-rated construction. In Type V construction, the Dryvit

Outsulation[®] Mineral Wool System may be attached to the surface of combustible exterior fire-resistance-rated assemblies described in 2024, 2021, 2018, 2015 and 2012 IBC Table 721.1(2) [2009 IBC Table 720.1(2)] without changing the assigned hourly rating of the assembly. The minimum fire separation distance from adjacent construction must be in accordance with IBC Table 705.5.

4.7 Special Inspection:

For recognition under the IBC, special inspection of the Dryvit Backstop NTX-Texture or Dryvit Backstop NTX-Smooth water-resistive coatings must be conducted in accordance with 2024 and 2021 IBC Sections 1704.2 and 1705.17.1 [2018 and 2015 IBC Sections 1704.2 and 1705.16.1 (2012 IBC Sections 1704.2 and 1705.15.1 and 2009 IBC Sections 1704.1 and 1704.14.1)].

5.0 CONDITIONS OF USE:

The Dryvit Outsulation[®] Mineral Wool System 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 must comply with this report, the manufacturer's published application instructions, installation details and the applicable code. In the event of a conflict between the manufacturer's instructions and this report, this report governs.
- 5.2 Installation must be by applicators listed by Tremco CPG Inc.
- 5.3 The products are manufactured under a quality control program with inspections by ICC-ES.

6.0 EVIDENCE SUBMITTED

- 6.1 Data in accordance with the [ICC-ES Acceptance Criteria for EIFS Clad Drainage Wall Assemblies \(AC235\)](#), dated January 2015 (editorially revised July 2024).
- 6.2 Data in accordance with the [ICC-ES Acceptance Criteria for Water-resistive Coatings Used as Water-resistive Barriers over Exterior Sheathing \(AC212\)](#), dated February 2015 (editorially revised June 2024).
- 6.3 Reports of tests in accordance with ASTM E2568 and ASTM E2570.
- 6.4 Reports of tests in accordance with NFPA 285 and NFPA 268.

7.0 IDENTIFICATION

- 7.1 The ICC-ES mark of conformity, electronic labeling, or the evaluation report number (ICC-ES ESR-5133) along with the name, registered trademark, or registered logo of the report holder [Tremco CPG Inc] must be included in the product label.
- 7.2 In addition, each container or package of the coating or reinforcing mesh used as part of the Dryvit Outsulation[®] Plus Mineral Wool System must be labeled with the Tremco CPG, Inc., name and address; the product name; lot or batch number; quantity of material; storage instructions; pot life; expiration date.

Mineral wool insulation boards must be labeled with the manufacturer's name; manufacturing address or plant identification; name of the inspection agency.

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

TREMCO CPG INC.
3735 GREEN ROAD
BEACHWOOD, OHIO 44122
(216) 292-5154
www.tremcosealants.com

TABLE 1—COATING SYSTEM COMPONENTS¹

System	Water-Resistive Barrier	Base Coat/Adhesive	Reinforcing Mesh	Finish
Dryvit Outsulation® Mineral Wool System	Dryvit Backstop NTX-Texture, Dryvit Backstop NTX-Smooth (ESR-3319) or SECUROCK® ExoAir® 430 System (ESR-4423)	Primus, Genesis, or Genesis DM	Standard Reinforcing Mesh, nominally 4.3 oz/yd ² minimum ²	DPR

¹Refer to Section 3.2 for insulation boards.²Higher weight meshes are permitted.

TABLE 2—WIND LOAD DESIGN

Framing Members		Substrate			Wind Load Capacity (Allowable) ^{1,2}	
Type, Min. Depth (inches)	Max. Spacing (inches o.c.)	Type	Fastener Type	Max. Fastener Spacing (inches o.c.)	Negative (psf)	Positive (psf)
1 ⁵ / ₈ -inch-by No. 18 gage-steel	16	Glass mat-faced gypsum per ASTM C1177, min. 1/2-inch-thick	No. 6 self-drilling screws, 1 1/4-inch-long	8	60.5	76.6

For SI: 1 inch = 25.4 mm; 1 psf = 0.0479 kPa.

¹Maximum positive pressure is limited to the capacity of the framing and structural sheathing, or concrete, brick, concrete masonry or portland cement plaster substrate, determined in accordance with the applicable code.²Framing members must be designed to resist all positive and negative transverse design loads with a maximum allowable deflection of 1/240 of the span.TABLE 3—ASSEMBLIES FOR USE WITH TYPE I, II, III AND IV CONSTRUCTION¹

Framing Members			Interior Sheathing			Exterior Sheathing			Insulation Board
Min. Depth (inch)	Min. Gage	Max. spacing (inch)	Type and Min. Thickness (inch)	Fastener Type	Max. Fastener Spacing (inches o.c.)	Type and Min. Thickness (inch)	Fastener Type	Max. Fastener Spacing (inches o.c.)	Thickness Maximum ¹ (inch)
Steel Framing									
3 ⁵ / ₈	20 (0.033 inch)	16 inches o.c.	Min. 5/8-inch-thick Type X gypsum wallboard complying with ASTM C36 or ASTM C1396	Minimum No. 6, 1 1/4-inch-long buglehead, self-drilling Type S screws	8 inches at board joints, 12 inches at intermediate framing	Min. 1/2-inch-thick Water-resistant core gypsum sheathing complying with ASTM C1396	Minimum No. 8, 1 1/4-inch-long, self-drilling Type S screws	8 inches o.c. along all studs	12.75
Fire-retardant-treated Wood Studs²									
2x4	N/A	24 inches o.c.	Min. 5/8-inch-thick Type X gypsum wallboard complying with ASTM C36 or ASTM C1396	Minimum No. 8, corrosion-resistant steel, Type W, bugle-head drywall screws	8 inches at board joints, 12 inches at intermediate framing	Min. 1/2-inch-thick Glass mat gypsum sheathing complying with ASTM C1177	Minimum No. 8, 1 5/8-inch-long, corrosion-resistant steel, Type W, bugle-head drywall screws	8 inches at board joints, 12 inches at intermediate framing	4

For SI: 1 inch = 25.4 mm.

¹Floor levels must be blocked with 4-inch-thick (102 mm), 4 pcf (64.1 kg/m³) mineral-fiber insulation.²Fire-retardant treated wood studs must comply with IBC Section 2303.2. Fire-retardant-treated wood framing is acceptable in Types I, II, III or IV construction as permitted by Chapter 6 of the IBC.

TABLE 4—FIRE-RESISTANCE-RATED ASSEMBLIES^{1, 2}

ONE-HOUR – NONLOADBEARING								
Framing members		Interior Sheathing			Exterior Sheathing			Insulation Board
Type	Max. spacing (inches o.c.)	Type and Min. Thickness (inch)	Fastener Type	Max. Fastener Spacing (inches o.c.)	Type and Min. Thickness (inch)	Fastener Type	Max. Fastener Spacing (inches o.c.)	Max. Thickness (inches)
3 ⁵ / ₈ -inch-by No. 25 gage-steel	24	Min. ⁵ / ₈ -inch-thick Type X gypsum wallboard complying with ASTM C36 or ASTM C1396	Minimum No. 6, 1 ¹ / ₄ -inch-long buglehead, self-drilling Type S screws	8 inches at board joints, 12 inches at intermediate framing	Min. ⁵ / ₈ -inch-thick Type X gypsum wallboard complying with ASTM C36 or ASTM C1396	Minimum No. 8, 1 ¹ / ₄ -inch-long, self-drilling Type S screws	8 inches at board joints, 12 inches at intermediate framing	4
TWO-HOUR – LOAD-BEARING ³								
Type	Max. spacing (inches o.c.)	Type and Min. Thickness (inch)	Fastener Type	Max. Fastener Spacing (inches o.c.)	Type and Min. Thickness (inch)	Fastener Type	Max. Fastener Spacing (inches o.c.)	Max. Thickness (inches)
2x4 wood studs	16	(2) layers of min. ⁵ / ₈ -inch-thick Type X gypsum wallboard complying with ASTM C36 or ASTM C1396	Layer 1: Minimum No. 8, 2-inch-long buglehead, Type W screws Layer 2: Minimum No. 8, 2 ¹ / ₂ -inch-long buglehead, Type W screws	Layers 1 and 2: 8 inches at board joints, 12 inches at intermediate framing	(2) layers of min. ⁵ / ₈ -inch-thick Type X gypsum wallboard complying with ASTM C36 or ASTM C1396	Layer 1: Minimum No. 8, 2-inch-long buglehead, Type W screws Layer 2: Minimum No. 8, 2 ¹ / ₂ -inch-long buglehead, Type W screws	Layers 1 and 2: 8 inches at board joints, 12 inches at intermediate framing	4

For SI: 1 inch = 25.4 mm.

¹EIFS Assembly: Adhesive: Any, except Genesis DM; Base Coat: Any, except Genesis DM; Finish Coat: Any.²Rated from both sides.³Design stress reduced to 78 percent of the adjusted F_c and have a slenderness ratio of l/d of 33.

DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION

Section: 07 24 00—Exterior Insulation and Finish Systems

Section: 07 24 19—Water-Drainage Exterior Insulation and Finish System

REPORT HOLDER:

TREMCO CPG, INC.

EVALUATION SUBJECT:

DRYVIT OUTSULATION® MINERAL WOOL SYSTEM

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that Dryvit Outsulation® Mineral Wool System, described in ICC-ES evaluation report [ESR-5133](#), 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:

- 2023 City of Los Angeles Building Code ([LABC](#))
- 2023 City of Los Angeles Residential Code ([LARC](#))

2.0 CONCLUSIONS

The Dryvit Outsulation® Mineral Wool System, described in Sections 2.0 through 7.0 of the evaluation report [ESR-5133](#), complies with LABC Chapters 7, and 14, and LARC Sections R316 and R703, and is subjected to the conditions of use described in this evaluation report supplement.

3.0 CONDITIONS OF USE

The Dryvit Outsulation® Mineral Wool System described in this evaluation report supplement must comply with all of the following conditions:

- All applicable sections in the evaluation report [ESR-5133](#).
- The design, installation, conditions of use and identification of the Dryvit Outsulation® Mineral Wool System are in accordance with the 2021 *International Building Code*® (IBC) and 2021 *International Residential Code*® (IRC) provisions, as applicable, noted in the evaluation report [ESR-5133](#).
- The design, installation and inspection are in accordance with additional requirements of LABC Chapters 16 and 17, as applicable.

This supplement expires concurrently with the evaluation report, issued March 2025.

DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION

Section: 07 24 00—Exterior Insulation and Finish Systems

Section: 07 24 19—Water-Drainage Exterior Insulation and Finish System

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EVALUATION SUBJECT:

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1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that the Dryvit Outsulation® Mineral Wool System, described in ICC-ES evaluation report ESR-5133, has also been evaluated for compliance with the code(s) noted below.

Applicable code editions:

- 2022 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 and Information (HCAI) and the Division of State Architect (DSA), see Sections 2.1.1 and 2.1.2 below.

- 2022 California Residential Code (CRC)

2.0 CONCLUSIONS

2.1 CBC:

The Dryvit Outsulation® Mineral Wool System, described in Sections 2.0 through 7.0 of the evaluation report ESR-5133, complies with CBC Chapter 7 and 14, provided the design and installation are in accordance with the 2021 *International Building Code*® (IBC) provisions noted in the evaluation report, ESR-5133, and the additional requirements of CBC Chapters 16 and 17, as applicable.

The products have not been evaluated under Chapter 7A for use in the exterior design and construction of new buildings located in a Fire Hazard Severity Zone within State Responsibility Areas or any Wildland-Urban Interface Fire Area.

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.

2.1 CRC:

The Dryvit Outsulation® Mineral Wool System, described in Sections 2.0 through 7.0 of the evaluation report ESR-5133, complies with CRC Chapter 7, provided the design and installation are in accordance with the 2021 *International Residential Code*® (IRC) provisions noted in the evaluation report, ESR-5133.

The products have not been evaluated under CRC Section R337 for use in Exterior design and construction of new buildings located in a Fire Hazard Severity Zone within State Responsibility Areas or any Wildland-Urban Interface Fire Area.

The products described in this supplement have not been evaluated for compliance with the *International Wildland—Urban Interface Code*®.

This supplement expires concurrently with the evaluation report, issued March 2025.

ICC-ES Evaluation Report

ESR-5133 FL Supplement

Issued March 2025

This report is subject to renewal March 2026.

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DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION

Section: 07 24 00—Exterior Insulation and Finish Systems

Section: 07 24 19—Water-Drainage Exterior Insulation and Finish System

REPORT HOLDER:

TREMCO CPG, INC.

EVALUATION SUBJECT:

DRYVIT OUTSULATION® MINERAL WOOL SYSTEM

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that Dryvit Outsulation® Mineral Wool System, evaluated in ICC-ES evaluation report ESR-5133, has also been evaluated for compliance with the codes noted below.

Applicable code editions:

- 2023 *Florida Building Code—Building*
- 2023 *Florida Building Code—Residential*

2.0 CONCLUSIONS

The Dryvit Outsulation® Mineral Wool System, described in Sections 2.0 through 7.0 of the evaluation report ESR-5133, complies with the *Florida Building Code—Building* and *Florida Building Code—Residential*, as applicable. 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-5133 for the 2021 *International Building Code*® meet the requirements of the *Florida Building Code—Building* or the *Florida Building Code—Residential*, as applicable.

Use of the Dryvit Outsulation® Mineral Wool System for compliance with the High-Velocity Hurricane Zone provisions of the *Florida Building Code—Building* and the *Florida Building Code—Residential* has not been evaluated and is outside the scope of this evaluation report.

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 March 2025.