

ICC-ES Evaluation Report

ESR-1748

Reissued October 2023

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Subject to renewal October 2024

This report also contains:


- LABC Supplement

- CBC Supplement

- FBC Supplement

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<p>DIVISION: 07 00 00 — THERMAL AND MOISTURE PROTECTION</p> <p>Section: 07 24 00 — Exterior Insulation and Finish Systems</p> <p>Section: 07 24 19 — Water-Drainage Exterior Insulation and Finish System</p>	<p>REPORT HOLDER: STO CORP.</p>	<p>EVALUATION SUBJECT: STOTHERM® ci®, STOTHERM® ci MVES, AND STOTHERM® ci WITH STOCAS FINISHES</p>	
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1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2021, 2018, and 2015 [International Building Code® \(IBC\)](#)
- 2021, 2018, and 2015 [International Residential Code® \(IRC\)](#)

For evaluation for compliance with codes adopted by [Los Angeles Department of Building and Safety \(LADBS\)](#), see [ESR-1748 LABC and LARC Supplement](#).

Properties evaluated:

PROPERTY	IBC Chapter	IRC Chapter
Exterior insulation and finish systems (EIFS)	14	R7
Fire-resistance-rated construction	7	R3
Weather resistance	14	R7
Special inspections, Types I-IV (noncombustible) construction	17	NA
Structural – transverse wind load resistance	16	R6
Types I-IV (noncombustible) construction	26	NA
Surface burning characteristics	26	R3
Ignition resistance	26	NA

2.0 USES

StoTherm® ci, StoTherm® ci MVES, and StoTherm® ci with StoCast Finishes are exterior insulation and finish systems (EIFS) complying with 2021 and 2018 IBC Section 1407 (2015 IBC Section 1408) and IRC Section R703.9. The systems comply with the requirements of 2021 and 2018 IBC Section 1407.4.1 (2015 IBC Section 1408.4.1) and IRC Section R703.9 as EIFS with drainage.

3.0 DESCRIPTION

3.1 System Components:

StoTherm[®] ci[®], StoTherm[®] ci MVES, and StoTherm[®] ci with StoCast Finishes consist of a water-resistive barrier, adhesively applied flat insulation board, reinforcing mesh, base coat, and finish. The finish in StoTherm[®] ci is a textured plaster finish. The finish in StoTherm[®] ci MVES is an adhered masonry veneer with grout. The finish in StoTherm[®] ci with StoCast Finishes is a factory prefabricated finish that simulates the look of wood, brick, stone, and other architectural finishes. See [Table 1](#) for system components.

3.2 Insulation Board:

The insulation boards must be one of the following:

- a. Expanded polystyrene (EPS) complying with ASTM C578, Type I, and ASTM E2430, produced by a molder with a current ICC-ES evaluation report.
- b. EPS insulation board produced by a molder who participates in an approved third-party quality-assurance program. EPS must comply with ASTM C578, Type I, and ASTM E2430.
- c. Sto EPS Insulation Board, EPS complying with ASTM C578, Type I, and ASTM E2430.
- d. Owens Corning[®] Foamular[®] CI-C, or NGX[™] CI-C Extruded Polystyrene Type X (for use with the StoTherm[®] ci with XPS Insulation system as noted in [Table 1](#)).
- e. Dupont[™] Styrofoam[™] Brand Panel Core ST-100 Type X recognized in [ESR-2142](#) and [ESR-4755](#) (for use with the StoTherm[®] ci with XPS Insulation system noted in [Table 1](#)).
- f. Sto GPS Board, graphite enhanced polystyrene insulation board complying with ASTM C578, Type I, and ASTM E2430.

The insulation boards must have a flame spread index of 25 or less and a smoke-developed index of 450 or less when tested in accordance with ASTM E84 or UL 723.

3.3 Substrates:

Substrates must be one of the following:

- a. Gypsum sheathing board complying with ASTM C1396 or ASTM C1177. When used as part of a fire-resistance-rated assembly, the gypsum board must be Type X with a minimum thickness of $\frac{5}{8}$ inch (15.9 mm).
- b. Concrete masonry complying with the code.
- c. Concrete complying with the code.
- d. Exterior plaster complying with the code.
- e. Exterior or 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 DESIGN AND INSTALLATION

4.1 General:

StoTherm[®] ci, StoTherm[®] ci MVES, and StoTherm[®] ci with StoCast Finishes must be installed in accordance with the manufacturer's installation instructions, specifications, and details, which are available at www.stocorp.com:

- <http://www.stocorp.com/continuous-insulation-systems/>

4.2 Drainage:

StoTherm[®] ci, StoTherm[®] ci MVES, and StoTherm[®] ci with StoCast Finishes provides drainage through the application of vertical ribbons of adhesive over the water-resistive barrier coating system identified in [Table 1](#).

Additional installation and compliance information for the StoGuard air barrier and water-resistive barrier system is provided in [ESR-1233](#) and at www.stocorp.com.

4.3 Wind Design:

[Table 3](#) presents specific StoTherm[®] ci assemblies for which test data has been submitted. Other StoTherm[®] ci assemblies may be considered for approval by local officials, based on testing and/or calculations provided by a qualified design professional.

4.4 Weather Protection:

StoTherm[®] ci[®], StoTherm[®] ci MVES, and StoTherm[®] ci with StoCast Finishes comply with 2021 and 2018 IBC Section 1402.2 (2015 IBC Section 1403.2) and IRC Section R703.1.1.

4.5 Use in Types I through IV (Noncombustible) Construction:

[Table 4](#) describes the assemblies qualified for use in Types I through IV construction (IBC).

4.6 Fire-resistance-rated Construction:

[Table 5](#) describes the assemblies qualified for use in fire-resistance-rated construction.

In addition, in Type V construction, any StoTherm[®] ci system listed in this report may be attached to the surface of combustible exterior fire-resistance-rated assemblies described in IBC Table 721.1(2) without changing the assigned hourly rating of the assembly. The exterior wall must have a minimum 10-foot (3048 mm) separation distance from adjacent construction.

4.7 Special Inspection:

For recognition under the IBC, special inspections of the water-resistive barrier must be conducted in accordance with 2021 IBC Section 1705.17 (2018 and 2015 IBC Section 1705.16). Refer to STO Corp. third-party inspection guidelines for verifying field preparation of materials.

5.0 CONDITIONS OF USE:

The StoTherm[®] ci[®], StoTherm[®] ci MVES, and StoTherm[®] ci with StoCast Finishes described in this report comply with, or are suitable alternatives 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 installation instructions and the applicable code. In the event of a conflict between the manufacturer's instructions and this report, this report governs.
- 5.2 The insulation board must be separated from the building interior by a thermal barrier complying with the applicable code.
- 5.3 Termination of the systems must not be less than 6 inches (152 mm) above finished grade in accordance with IBC Section 2603.8 and IRC Section R318.4.
- 5.4 StoTherm[®] ci MVES is limited to use with maximum 4-inches (102 mm) thick insulation board.
- 5.5 Adhered masonry veneer in StoTherm ci MVES is limited to a maximum weight load of 15 lb/ft² (73 kg/m²).

6.0 EVIDENCE SUBMITTED

- 6.1 Data in accordance with ASTM E2568 and ASTM E2273.
- 6.2 Data in accordance with the [ICC-ES Acceptance Criteria for EIFS Clad Drainage Wall Assemblies \(AC235\)](#), dated January 2015 (editorially revised April 2018).
- 6.3 Data in accordance with the [ICC-ES Acceptance Criteria for Foam Plastic Insulation \(AC12\)](#), dated June 2015 (editorially revised October 2017).
- 6.4 NFPA 285 and NFPA 268 test data, including engineering analysis.
- 6.5 Reports of tests in accordance with ASTM C482 and ASTM C273.
- 6.6 For StoTherm[®] ci with StoCast finishes, data in accordance with ASTM E2568, ASTM E2273, NFPA 285, NFPA 268, ASTM E119, ASTM E1354, and ASTM E84.

7.0 IDENTIFICATION

- 7.1 The ICC-ES mark of conformity, electronic labeling, or the evaluation report number (ICC-ES ESR-1748) along with the name, registered trademark, or registered logo of the report holder 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 StoTherm[®] ci systems components must be labeled with the manufacturer's name (Sto Corp.) and address; the product name; lot or batch number; quantity of material; storage instructions; pot life; and the expiration date.

Sto EPS insulation board must be labeled on the edge of each board with the Sto Corp. name, the plant identification number, and the evaluation report number (ESR-1748).

Sto TurboStick and Sto TurboStick Mini adhesive must be labeled with the Sto Corp. company name and product name designation.

Other foam plastic insulation must be labeled in accordance with the current ICC-ES evaluation report in which it is recognized, or in accordance with IBC Section 2603.2 or IRC Section R316.2, as applicable.

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

STO CORP.
3800 CAMP CREEK PARKWAY
BUILDING 1400, SUITE 120
ATLANTA, GEORGIA 30331
(800) 221-2397
www.stocorp.com

TABLE 1—STOTHERM[®] ci[®] SYSTEM COMPONENTS^{1,2}

SYSTEM	WATER-RESISTIVE BARRIER	ASTM C578 INSULATION BOARD TYPE	ADHESIVES	BASE COATS	FINISH
1. StoTherm [®] ci	80265-81636 Sto Gold Coat 81210 Sto AirSeal 80263 Sto VaporSeal (see ESR-1233)	Type I ⁴	Sto BTS Plus Sto BTS Silo Sto BTS Xtra Sto TurboStick Sto TurboStick Mini	Sto BTS Plus Sto BTS Silo Sto BTS Xtra Sto RFP	Stolit Stolit Milano ³ Stolit X ³ Stolit Lotusan
2. StoTherm [®] ci with Stolit HDP Finish	80265-81636 Sto Gold Coat 81210 Sto AirSeal 80263 Sto VaporSeal (see ESR-1233)	Type I ⁴	Sto BTS Plus Sto BTS Silo Sto BTS Xtra Sto TurboStick Sto TurboStick Mini	Sto BTS Plus Sto Armat Classic Plus	Stolit HDP
3. StoTherm [®] ci with Sto Primer/Adhesive Base Coats	80265-81636 Sto Gold Coat 81210 Sto AirSeal 80263 Sto VaporSeal (see ESR-1233)	Type I ⁴	Sto Primer/Adhesive Sto Primer/Adhesive-B Sto TurboStick Sto TurboStick Mini	Sto Primer/Adhesive Sto Primer/Adhesive-B	Sto Essence DPR Finish Stolit Milano Stolit X
4. StoTherm [®] ci with XPS Insulation	80265-81636 Sto Gold Coat 81210 Sto AirSeal 80263 Sto VaporSeal (see ESR-1233)	Type X	Sto TurboStick Sto TurboStick Mini	Sto BTS Plus Sto BTS Xtra Sto Primer/Adhesive Sto Primer/Adhesive-B	Stolit Stolit Lotusan Stolit Milano Stolit X
5. StoTherm [®] ci MVES	80265-81636 Sto Gold Coat 81210 Sto AirSeal 80263 Sto VaporSeal (see ESR-1233)	Type I ⁴	Sto TurboStick Sto TurboStick Mini	Sto Primer/Adhesive ⁵	ASTM C1088 Thin Brick ⁶ or ASTM C1670 (AC 51) Compliant Manufactured Stone ⁷ adhered with StoColl Adhesive Mortar
6. StoTherm [®] ci with StoCast Finishes	80265-81636 Sto Gold Coat 81210 Sto AirSeal 80263 Sto VaporSeal (see ESR-1233)	Type I ⁴	Sto BTS Plus Sto BTS Silo Sto BTS Xtra Sto TurboStick Sto TurboStick Mini	Sto BTS Plus Sto Armat Classic Plus	StoCast Finish ⁸

¹All base coats are reinforced with the appropriate Sto Mesh product listed in [Table 2](#).

²Sto Primer is an optional component of the systems listed above.

³Sto BTS Silo basecoat is not recognized for use with Stolit Milano and Stolit X finish.

⁴Reference Section 3.2(f) for alternate insulation board.

⁵Mesh reinforcement for base coat is Sto Mesh 6-oz. Corrosion resistant self-drilling screws with 1-1/4 inch (32mm) diameter galvanized steel washer installed through the reinforced base coat (with washer seated on base coat) into framing members at 36 inches (914mm) on center vertically and 16 inches (406mm) horizontally. Screw threads must engage steel studs and be of sufficient length to penetrate minimum three full threads beyond the stud thickness.

⁶Thin brick grouted with ANSI 118.7 compliant grout.

⁷Manufactured stone must be recognized in a current ICC-ES evaluation report demonstrating compliance with ICC-ES Acceptance Criteria for Precast Stone Veneer (AC51).

⁸StoCast Finish is installed with StoCast Wood Adhesive (each plank is 6 inches wide by 6 feet long). StoCast Brick is installed with Sto Bonding and Pointing Mortar.

TABLE 2—REINFORCING MESH PRODUCTS

PRODUCT NO.	PRODUCT NAME ¹	NOMINAL WEIGHT, oz/yd ² (g/m ²)
80920E	Sto Mesh	4.5 (153)
80919	Sto Detail Mesh	4.2 (142)
80985	Sto 6-oz. (170 g) Mesh	6.0 (170)
80918	Sto Intermediate Mesh	11.0 (373)
80921	Sto Armor Mat	15.0 (509)
80922	Sto Armor Mat XX	20.0 (678)
80921A	Sto Corner Mat	7.6 (258)

¹Other listed mesh may be used for detail construction or to supplement impact resistance of the EIFS.

TABLE 3—WIND LOAD DESIGN¹

FRAMING MEMBERS ²				SHEATHING			ALLOABLE WIND LOAD CAPACITY (psf)		APPLICABLE SYSTEMS (AS NUMBERED IN TABLE 1 ABOVE)
Wood, min. size (inches)	Metal		Maximum Spacing (inches)	Type	Thickness (inch)	Maximum Fastener Spacing ³ , (inches)	Neg.	Pos.	
	Min. Depth (inches)	Min. Gage							
2x4 (nominal)	--	--	16	Wood-based	3/8	8	20	36	1, 2, and 6
--	3 1/2	18	16	Wood-based	3/8	8	38	60	3
--	3 1/2	18	16	Gypsum	1/2	8	20	35	1, 2, and 3
--	3 1/2	18	16	Gypsum	5/8	8	38	60	3
--	6	18	16	Gypsum	5/8	6	40	50	1, 2, 3, and 6 (with Turbo Stick Adhesive or Sto TurboStick Mini and Type I EPS)
--	6	18	16	Gypsum	5/8	6	63	58	4
--	3 1/2	18	16	Gypsum	5/8	8	56	73	5 (with Thin Brick)
--	3 1/2	18	16	Gypsum	5/8	8	36	53	5 (with Manufactured Stone)
Concrete or masonry substrates							54	54	1,2 and 6

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

¹Applicable to all StoTherm[®] ci materials listed in [Tables 1](#) and [2](#).

²Deflection limitation 1/240, designed in accordance with applicable code, except for System No. 5, where deflection limitation must be 1/360.

³Fasteners must be No. 6, flathead, corrosion-resistant screws [minimum 0.292-inch (7.4 mm) head diameter].

TABLE 4—ASSEMBLIES FOR USE IN TYPES I THROUGH IV CONSTRUCTION

FRAMING MEMBERS ^{5,8}			INTERIOR SHEATHING ^{1,7} (TYPE X GYPSUM)		EXTERIOR SHEATHING (TYPE X GYPSUM)		MAX. INSULATION BOARD THICKNESS, (inches)	APPLICABLE SYSTEMS (AS NUMBERED IN TABLE 1 ABOVE) ⁹
Metal		Max. Spacing (inches)	Min. Thickness (inch)	Max. Fastener Spacing (inches)	Min. Thickness (inch)	Max. Fastener Spacing (inches)		
Min. Depth (inches)	Min. Gage							
3 1/2	18	16	1/2	8 at perimeter 12 in field ²	1/2	6 at perimeter 8 in field ³	12	3
3 1/2	18	16 ⁶	1/2	6 ⁴	5/8	6 at perimeter 8 in field ³	12	1 and 2
6	20	16	5/8	8 ⁴	5/8	8 ⁴	12	StoTherm® ci with Sto TurboStick, Sto TurboStick Mini, Sto Primer/Adhesive-B base coat and Stolit X finish
3 1/2	18	16 ⁶	5/8	8 at perimeter 12 in field	5/8	8 at perimeter 12 in field	9	1 with Turbo Stick adhesive and Type I EPS or GPS
3 1/2	18	16 ⁶	5/8	8 at perimeter 12 in field	5/8	8 at perimeter 12 in field	6	StoTherm® ci with XPS insulation, Sto BTS Xtra base coat and Stolit finish
3 5/8	18	16	5/8	8 at perimeter 12 in field	5/8	8 at perimeter 12 in field	4	5
3 5/8	18	16	5/8	8 at perimeter 12 in field	5/8	8 at perimeter 12 in field	6	6 with Sto TurboStick adhesive and Sto BTS Plus base coat

For SI: 1 inch = 25.4 mm.

¹All board joints backed by framing.

²Fasteners are minimum No. 8, Type S, corrosion-resistant screws, with sufficient length to penetrate framing a minimum of 3/8 inch (9.5 mm).

³Fasteners are No. 6 drywall screws having sufficient length to penetrate framing a minimum of 3/8 inch (9.5 mm).

⁴Fasteners are No. 6 by 1 1/4-inch-long (31.7 mm), buglehead drywall screws.

⁵Stud cavities at floor levels are blocked with Owens Corning Thermafiber insulation, 4 lb/ft³ (64 kg/m³) density, 4 inches (102 mm) thick and 2 feet (610 mm) wide.

⁶Stud cavities must be filled with R-11 fiberglass insulation (optional for systems 5 and 6).

⁷All joints must be taped and treated with joint compound. Intermediate fastener heads are treated with joint compound in accordance with ASTM C840 or GA216.

⁸Openings must be framed with minimum 0.0428-inch-thick steel framing.

⁹Applicable to StoTherm® ci systems listed in [Tables 1](#) and [4](#), except for StoTherm® ci systems using Stolit Milano and Stolit X finish, unless noted otherwise.

TABLE 5—FIRE-RESISTANCE-RATED ASSEMBLIES^{1,2}

FIRE-RESISTANCE RATING (hrs)	FRAMING MEMBERS			INTERIOR SHEATHING			EXTERIOR SHEATHING			MAXIMUM EPS or GPS INSULATION BOARD THICKNESS (inches)
	Min. Depth (inches)	Min. Gage	Max. Spacing (inches)	Type	Min. Thickness (inch)	Max. Fastener Spacing (inches)	Type	Min. Thickness (inch)	Max. Fastener Spacing ⁵ (inches)	
StoTherm® ci										
1 - NLB ⁷	3 1/2	18	16	Type X gypsum ⁵	5/8	8 o.c. on perimeter 12 o.c. in field ³	Type X gypsum	5/8	6 at perimeter 8 in field ⁴	6
2 - NLB ⁷	3 1/2	18	16	Two layers of Type X gypsum ⁵	5/8	Base layer at 24 o.c. Face layer at 8 o.c. ⁶	Two layers of Type X gypsum	5/8	Base layer at 24 o.c. Face layer at 8 o.c. ⁶	6
StoTherm® ci MVES										
1 - (LB or NLB) ⁷	6	16	16	Type X gypsum ⁵	5/8	8 o.c. on perimeter 12 o.c. in field ³	Type X gypsum	5/8	8 o.c. on perimeter 12 o.c. in field ⁴	4
StoTherm® ci with StoCast Finish										
1 - NLB ⁷	3 5/8	18	16	Type X gypsum ⁵	5/8	8 o.c. on perimeter 12 o.c. in field ³	Type X gypsum	5/8	8 o.c. on perimeter 12 o.c. in field ⁴	4

For SI: 1 inch = 25.4 mm.

¹Applicable to all StoTherm® ci materials listed in [Table 1](#), except to StoTherm® ci systems which use the Stolit Milano, Stolit X and Sto Turbo Stick or Sto TurboStick Mini adhesive, or systems that use Sto Armat Classic Plus base coat.

²All board joints must be blocked.

³Fasteners are minimum No. 6, 1 1/4-inch-long (32 mm), self-tapping, corrosion-resistant bugle head screws.

⁴Fasteners are No. 6 drywall screws having sufficient length to penetrate framing a minimum of 3/8 inch (9.5 mm).

⁵Interior wallboard joints must be covered with tape and joint compound. Interior fastener heads are covered with joint compound in accordance with ASTM C840 or GA 216.

⁶Fasteners for the base layer of gypsum board are No. 6, 1 1/4-inch-long, self-tapping, corrosion-resistant bugle-head screws. Fasteners for the face layer are 1 7/8-inch-long, self-tapping, corrosion-resistant bugle-head screws.

⁷Load bearing (LB) or Non-Load bearing (NLB).

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:

STO CORP.

EVALUATION SUBJECT:

STOTHERM® ci®, STOTHERM® ci MVES, AND STOTHERM® ci WITH STOCAST FINISHES

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that StoTherm® ci®, StoTherm® ci MVES, and StoTherm® ci with StoCast Finishes, described in ICC-ES evaluation report [ESR-1748](#), have also been evaluated for compliance with the codes noted below as adopted by Los Angeles Department of Building and Safety (LADBS).

- 2023 *City of Los Angeles Building Code* (LABC)
- 2023 *City of Los Angeles Residential Code* (LARC)

2.0 CONCLUSIONS

The StoTherm® ci, StoTherm® ci MVES, and StoTherm® ci with StoCast Finishes, described in Sections 2.0 through 7.0 of the ICC-ES evaluation report [ESR-1748](#), comply with LABC Chapters 7, 14 and 26, and LARC Sections R316 and R703, subject to the conditions of use described in this report.

3.0 CONDITIONS OF USE

The StoTherm® ci, StoTherm® ci MVES, and StoTherm® ci with StoCast Finishes described in this evaluation report supplement must comply with all of the following conditions:

- All applicable sections in the ICC-ES evaluation report [ESR-1748](#).
- The design, installation, conditions of use and labeling of the StoTherm® ci, StoTherm® ci MVES, and StoTherm® ci with StoCast Finishes are in accordance with the 2021 *International Building Code*® (IBC) or 2021 *International Residential Code*® (IRC) provisions, as applicable, noted in the ICC-ES evaluation report [ESR-1748](#).
- 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, reissued October 2023 and revised February 2024.

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:**

STO CORP.

EVALUATION SUBJECT:

STOTHERM® ci®, STOTHERM® ci MVES, AND STOTHERM® ci WITH STOCAST FINISHES

1.0 REPORT PURPOSE AND SCOPE**Purpose:**

The purpose of this evaluation report supplement is to indicate that StoTherm® ci, StoTherm® ci MVES, and StoTherm® ci with StoCast Finishes, described in ICC-ES evaluation report ESR-1748, have also been evaluated for compliance with the codes 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 Care Access 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 StoTherm® ci, StoTherm® ci MVES, and StoTherm® ci with StoCast Finishes, described in Sections 2.0 through 7.0 of the ICC-ES evaluation report ESR-1748, comply with 2022 CBC Chapter 14, provided the design and installation are in accordance with the 2021 *International Building Code*® (IBC) provisions respectively, noted in the evaluation report and the additional requirements of CBC Chapters 14 and 17.

2.1.1 OSHPD:

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

2.1.2 5YDSA:

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

2.2 CRC:

The StoTherm® ci, StoTherm® ci MVES, and StoTherm® ci with StoCast Finishes, described in Sections 2.0 through 7.0 of the ICC-ES evaluation report ESR-1748, complies with the 2022 CRC Chapter 7, provided the design and installation are in accordance with the 2021 *International Residential Code*® (IRC) provisions respectively, noted in the evaluation report and the applicable provisions of the CRC.

This supplement expires concurrently with the evaluation report, reissued October 2023 and revised February 2024.

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:

STO CORP.

EVALUATION SUBJECT:

STOTHERM® ci®, STOTHERM® ci MVES, AND STOTHERM® ci WITH STOCAST FINISHES

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that StoTherm® ci®, StoTherm® ci MVES, and StoTherm® ci with StoCast Finishes, described in ICC-ES ICC-ES evaluation report ESR-1748, have 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 StoTherm® ci, StoTherm® ci MVES, and StoTherm® ci with StoCast Finishes, described in Sections 2.0 through 7.0 of the ICC-ES evaluation report ESR-1748, comply with the *Florida Building Code—Building* and *Florida Building Code—Residential*. The design requirements must be determined in accordance with the *Florida Building Code—Building* and *Florida Building Code—Residential*, as applicable. The installation requirements noted in the ICC-ES evaluation report ESR-1748 for the 2021 *International Building Code*® meet the requirements of the *Florida Building Code—Building* and *Florida Building Code—Residential*, as applicable, with the following condition:

- 1) Installation must meet the requirements of Sections 1403.8 and 2603.8 of the *Florida Building Code—Building* and Sections R318.7 and R318.8 of the *Florida Building Code—Residential*, as applicable.

Use of the StoTherm® ci, StoTherm® ci MVES, and StoTherm® ci with StoCast Finishes for compliance with the High-Velocity Hurricane Zone provisions of the *Florida Building Code—Building* and the *Florida Building Code—Residential* have 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, reissued October 2023 and revised February 2024.