

ICC-ES Evaluation Report

ESR-4583

Reissued May 2024

This report also contains:


- CBC Supplement

Subject to renewal May 2025

- FBC Supplement

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<p>DIVISION: 07 00 00— THERMAL AND MOISTURE PROTECTION</p> <p>Section: 07 42 33— Plastic Wall Panels</p> <p>DIVISION: 09 00 00— FINISHES</p> <p>Section: 09 51 13— Acoustical Panel Ceilings</p>	<p>REPORT HOLDER:</p> <p>EPI 04 INC dba EXTRUTECH PLASTICS INC.</p>	<p>EVALUATION SUBJECT:</p> <p>EXTRUTECH WALL AND CEILING PANELS: P1300, P1600, P2400, P3000 AND CP2400</p>	
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1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2018, 2015, 2012, and 2009 [International Building Code® \(IBC\)](#)
- 2018, 2015, 2012, and 2009 [International Residential Code® \(IRC\)](#)

Property evaluated:

- Interior finish

2.0 USES

The Extrutech Wall and Ceiling panels are used as interior finish on walls and ceilings in accordance with IBC Section 803.1 and IRC Section R302.9.

3.0 DESCRIPTION

3.1 General:

Extrutech wall and ceiling panels are extruded polyvinyl chloride (PVC) rib-reinforced panels. The panels meet the requirements for classification as a Class A interior wall and ceiling finish, with a flame spread index of 25 or less and a smoke developed index of 450 or less, under the IBC and IRC, when tested in accordance with ASTM E84.

3.2 Extrutech P1300 Wall and Ceiling Panels:

Extrutech P1300 panels have a tongue-and-groove design with a nailing fin along one side and are 1/2-inch (12.7mm) thick and 12 inches wide and can be used in walls, ceiling and cleanroom applications. The panels are available in lengths between 4 feet (1.2 m) and 20 feet (6.1 m) and weigh 0.69 lb/ft (0.10 kg/m). The panels are available in various colors and have various trim accessories available in lengths ranging between 8 feet (2.4 m) and 16 feet (7.9 m).

3.3 Extrutech P1600 Wall and Ceiling Panels:

Extrutech P1600 panels have a tongue-and-groove design with a nailing fin along one side and are 1/2-inch (12.7mm) thick and 16 inches (406 mm) wide and can be used in walls and ceiling applications. The panels are available in lengths between 4 feet (1.2 m) and 20 feet (6.1 m) and weigh 0.90 lb/ft (0.12 kg/m). The panels are available in various colors have various trim accessories available in lengths ranging between 8 feet (2.4 m) and 16 feet (7.9 m).

3.4 Extrutech P2400 Wall Panels:

Extrutech P2400 panels have a tongue-and-groove design with a nailing fin along one side and are 1/2-inch (12.7mm) thick and 24 inches (610 mm) wide and can be used in walls and cleanroom applications. The panels are available in lengths between 4 feet (1.2 m) and 20 feet (6.1 m) and weigh 1.55 lb/ft (0.21 kg/m). The panels are available in white have various trim accessories available in lengths ranging between 8 feet (2.4 m) and 16 feet (7.9 m).

3.5 Extrutech P3000 Beaded Wall and Ceiling Panels:

Extrutech P3000 beaded panels have a tongue-and-groove design with a nailing fin along one side and are 1/2-inch (12.7mm) thick and 12 inches (305 mm) wide and can be used in wall and ceiling applications. The panels are available in lengths between 4 feet (1.2 m) and 20 feet (6.1 m) and weigh 0.70 lb/ft (0.10 kg/m). The panels are available in various colors, and have various trim accessories available in lengths ranging between 8 feet (2.4 m) and 16 feet (7.9 m).

3.6 Extrutech CP2400 Grid Ceiling Panels:

Extrutech CP2400 grid panels are 3/8-inch thick (9.5 mm) and 23⁵/₈ inches (601 mm) wide and can be used in suspended ceiling grid system applications. The panels are available in lengths ranging between 2 feet (610 mm) and 12 feet (3.7 m) and have a unit weight of 0.625 lb/ft² (3.1 kg/m²). The panels are reversible and (available in white).

4.0 DESIGN AND INSTALLATION

The Extrutech wall and ceiling panels must be installed in accordance with the manufacturer's published installation instructions, the approved plans, and this evaluation report. A copy of the manufacturer's published installation instructions or the approved plans must be available at all times on the jobsite during installation. The attachment of wall and ceiling panels to structural elements is outside the scope of this report.

5.0 CONDITIONS OF USE:

The Extrutech Wall and Ceiling Panels 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 The panels must be manufactured, identified, and installed in accordance with this report and the manufacturer's published installation instructions. If there is a conflict between this evaluation report, the approved plans and the manufacturer's published installation instructions, this evaluation report governs.
- 5.2 The wall panels are limited to interior applications over code-complying solid wall surfaces.
- 5.3 Use of the ceiling panels to support loads other than the panel weight has not been evaluated and is outside the scope of this evaluation report.
- 5.4 The suspension system used as the supporting element for the Extrutech CP2400 ceiling panels has not been evaluated and is outside the scope of this evaluation report.
- 5.5 The panels are manufactured at the EPI 04 Inc. manufacturing location in Manitowoc, Wisconsin, under a quality control program with inspections by ICC-ES.

6.0 EVIDENCE SUBMITTED

- 6.1 Manufacturer's published installation instructions.
- 6.2 Reports of tests in accordance with ASTM E84.
- 6.3 Quality documentation in accordance with the [ICC-ES Acceptance Criteria for Quality Documentation \(AC10\)](#).

7.0 IDENTIFICATION

7.1 Each bundle of Extrutech wall and ceiling panels described in this report must be identified by a label bearing the manufacturer's name (EPI 04 Inc. dba Extrutech Plastics, Inc.), manufacturer's address, product name (P1300, P1600, P2400, P3000 or CP2400) and the evaluation report number ESR-4583.

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

EPI 04 INC. dba EXTRUTECH PLASTICS INC.
5902 WEST CUSTER STREET
MANITOWAC, WISCONSIN 54220(920) 684-9650
www.epiplastics.com

DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
Section: 07 42 33—Plastic Wall Panels

DIVISION: 09 00 00—FINISHES
Section: 09 51 13—Acoustical Panel Ceilings

REPORT HOLDER:

EPI 04 INC dba EXTRUTECH PLASTICS INC.

EVALUATION SUBJECT:

EXTRUTECH WALL AND CEILING PANELS: P1300, P1600, P2400, P3000 AND CP2400

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that Extrutech Wall and Ceiling Panels: P1300, P1600, P2400, P3000 and CP2400, described in ICC-ES evaluation report ESR-4583, have also been evaluated for compliance with the codes noted below.

Applicable code editions:

- 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 Extrutech Wall and Ceiling Panels: P1300, P1600, P2400, P3000 and CP2400, described in Sections 2.0 through 7.0 of the evaluation report ESR-4583, comply with CBC Section 803.1, provided the design and installation are in accordance with the 2018 *International Building Code*® (IBC) provisions noted in the evaluation report.

2.1.1 OSHPD:

The applicable DSA 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 Extrutech Wall and Ceiling Panels: P1300, P1600, P2400, P3000 and CP2400, described in Sections 2.0 through 7.0 of the evaluation report ESR-4583, comply with CRC Section R302.9, provided the design and installation are in accordance with the 2018 *International Residential Code*® (IRC) provisions noted in the evaluation report.

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

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Applicable code editions:

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

2.0 CONCLUSIONS

The Extrutech Wall and Ceiling Panels: P1300, P1600, P2400, P3000 and CP2400, described in Sections 2.0 through 7.0 of ICC-ES evaluation report ESR-4583, complies with the *Florida Building Code—Building* and *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-4583 for the 2015 *International Building Code*® meet the requirements of the *Florida Building Code—Building* and the *Florida Building Code—Residential*, as applicable, with the following conditions:

1. The wall panels are limited to interior nonload-bearing applications.
2. Use of the ceiling panels to support loads other than the panel weight has not been evaluated and is outside the scope of this evaluation report.
3. The suspension system used as the supporting element for the Extrutech CP2400 ceiling panels has not been evaluated and is outside the scope of this evaluation report.

Use of the Extrutech Wall and Ceiling Panels: P1300, P1600, P2400, P3000 and CP2400 for compliance with the High-Velocity Hurricane Zone provisions of the *Florida Building Code—Building* or the *Florida Building Code—Residential* has not been evaluated and is outside the scope of this supplemental 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).

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