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Ceilume Drop-Out Ceiling Tiles and Panels

CSI Section:

09 54 00 Specialty Ceilings

1.0 SCOPE OF LISTING:

Empire West, Inc.'s Ceilume Ceiling Tiles and Panels recognized in this listing report have been tested for use as interior lay-in drop-out tiles and/or panels for ceilings in accordance with FM 4651. Empire West, Inc.'s Ceilume Ceiling Tiles and Panels are also recognized in a Uniform Evaluation Service Report [ER-310](#) for interior finish classification, thermal stability, and physical properties. This listing recognizes Ceilume Ceiling Tiles and Panels as complying with the criteria of:

- Factory Mutual Approval Standard No. 4651 - Plastic Suspended Ceiling Tiles

2.0 LIMITATIONS

Empire West Ceilume Ceiling Tiles and Panels are recognized as conforming with FM 4651 with the following limitations:

2.1 The ceiling tiles and panels are manufactured, identified and installed in accordance with [ER-310](#), the applicable codes, this report and the Empire West installation instructions. In the event of a conflict, the more restrictive governs.

2.2 The ceiling tiles and panels are limited to use as a nonstructural component in non-fire-resistance-rated floor-ceiling or roof-ceiling assemblies.

2.3 Where translucent ceiling tiles and panels are used as light diffusers, installation shall comply with IBC Section 2606.7.

2.4 The 0.013 inch (0.33 mm) and the 0.030 inch (0.76 mm) thick tiles and panels are limited to use with quick response (release) or standard-response sprinklers rated at 135°F (57.2°C) or above when used with sprinkler systems.

2.5 Drop-out ceilings shall not be installed below extended coverage sprinklers unless specifically listed for that application.

2.6 Piping installed above drop-out ceilings shall not be considered concealed piping.

2.7 Tiles and panels shall remain unpainted or otherwise uncoated, unless approved otherwise.

2.8 Drop-out tiles and panels may be used in conjunction with dry-pipe sprinkler systems.

2.9 Quick-response (release) sprinklers rated at 135°F (57.2°C) or above shall be installed no less than 1 inch (25.4 mm), and no more than 5 feet (1524 mm) above the drop-out ceiling tiles and panels, when installed above the tiles and panels

2.10 Standard-response sprinklers rated at 135°F (57.2°C) or above shall be installed no less than 1 inch (25.4 mm), and no more than 5 feet (1524 mm) above the drop-out ceiling tiles and panels, when installed above tiles and panels.

2.11 Accessories for use with the ceiling tiles and panels are limited to those noted in Section 3.2 of this report.

2.12 The Ceilume Ceiling Tiles and Panels recognized in this report are produced in Graton, California under a quality control program with periodic inspection under the supervision of IAPMO UES.

3.0 PRODUCT USE

3.1 General: Ceilume Ceiling Tiles and Panels are for use in approved suspended ceiling framing systems in non-fire-resistance-rated floor-ceiling or roof-ceiling assemblies.

3.2 FM 4651: Empire West, Inc.'s Ceilume vinyl ceiling tiles and panels comply with the intent of Factory Mutual Approval Standard No. 4651 in any profile, perforated or solid, with a thickness of either 0.013 or 0.030 inches meet the requirements of FM 4651 for plastic suspended ceiling tiles when installed as follows:

- Under wet or dry sprinkler systems
- With or without uplift prevention clips
- With or without AcoustoTherm® or Soniguard™ Insulation and/or EZ-ON Grid Covers.

3.3 Installation:

3.3.1 Installation General: Ceilume Ceiling tiles and panels shall be installed only in a horizontal arrangement in suspended ceiling systems in accordance with the manufacturer's published installation instructions. All installations shall be in approved suspended ceiling framing systems in non-fire-resistance-rated floor-ceiling or roof-ceiling assemblies.

The suspended ceiling framing system shall comply with and be installed in accordance with Sections 808.1.1 and 2506.2.1 of the 2015, 2012 IBC and 2009 IBC, and Sections 803.9.1.1 and 2506.2.1 of the 2006 IBC. Suspended ceilings located in



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Seismic Design Categories B, C, D, E, or F, shall comply with design and installation requirements set forth in Section 13.5.6 of ASCE 7. The tiles and panels shall be installed in the framing members of suspended ceiling systems without the use of restraining clips that would impede or affect their downward movement. Uplift prevention clips are permitted but not required. The space above the tiles and panels shall not be used as an air circulation plenum.

Installation of drop-out ceiling tiles and panels is prohibited in exits such as corridors, stairways, horizontal exits, pressurized enclosures and exit passageways as defined in Chapter 10 of the 2015 and 2012 IBC.

When automatic sprinklers are installed above this product, the tiles and panels shall comply with requirements in IBC Section 2606.7 and may be installed as drop-out ceiling tiles and panels in light hazard and Group 1 ordinary hazard occupancies, as defined in NFPA 13.

The sprinklers shall be installed above the ceiling in accordance with NFPA 13, including separation from obstructions.

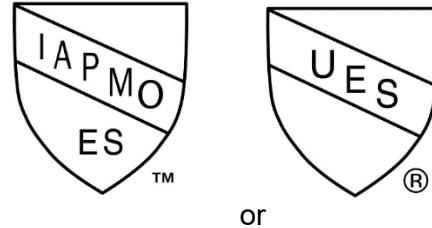
4.0 PRODUCT DESCRIPTION

The Empire West Ceilume Ceiling Tiles and Panels recognized in this listing comply with the intent of Factory Mutual Approval Standard No. 4651 for Suspended Plastic Ceilings. Plastic suspended ceilings of translucent or opaque tiles or panels are used to conceal ducts, sprinkler piping, lighting fixtures or for decorative purposes. See [ER-310](#) for code recognition. Ceilume Ceiling tiles and panels are designed to move out of their settings when exposed to heat from below before actuation of the automatic sprinklers, so as to allow the sprinkler system to function without interference. The tiles and panels may be used in buildings with and without automatic sprinkler systems. Ceilume Ceiling Tiles & Panels are made of Polyvinyl chloride plastic (PVC/vinyl), with a nominal thicknesses of 0.013 inch (0.33 mm) and 0.030 inch (0.76 mm), in white, opaque, various colors & finishes (Better Than Tin & Faux Wood), and may be installed with or without Uplift prevention Clips, Soniguard and AcoustoTherm Back Panels, and EZ-ON Grid Covers. Ceiling grid widths may be standard width, nominal 1" wide, or slim line width, nominal 9/16" wide.

5.0 IDENTIFICATION

A label shall be affixed on at least one of the following: product, packaging, installation instructions or descriptive literature. The label shall include the company name or trademark, model number, and the IAPMO Uniform ES Mark of Conformity, the name of the inspection agency QCC, LLC., and the Listing Number (UEL-5021) to identify the products recognized in this report. A die-stamp

label may also substitute for the label. Either Mark of Conformity may be used as shown below:



IAPMO UES UEL-5021

6.0 SUBSTANTIATING DATA

6.1 Report from Southwest Research Institute in accordance with Factory Mutual Approval Standard No.4651, report dated July 27, 2018

6.2 IAPMO Uniform Evaluation Service Evaluation Report ER-310.

7.0 STATEMENT OF RECOGNITION

This listing describes the results of research carried out by IAPMO Uniform Evaluation Service on Empire West Inc.'s Ceilume Ceiling Tiles and Panels to assess conformance to the standards shown in Section 1.0 of this report and serves as documentation of the product certification. Products are manufactured at locations noted in Section 2.12 of this listing under a quality control program with periodic inspection under the supervision of IAPMO UES.

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For additional information about this listing report please visit www.uniform-es.org or email us at info@uniform-es.org