

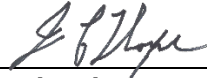
# Evaluation Report

for

**Empire West, Inc.**  
9270 Graton Road  
Post Office Box 511  
Graton, California 95444

CertMark™ International Pty Ltd (CMI) has awarded this Certification to the company named above for the Product/system described herein. The Product/ System have been assessed by CMI as Being fit for purpose providing they are installed, used and maintained as set out in this Evaluation Report.

For and on behalf of CMI



**John Thorpe**  
Chief Executive Officer



**Roni Bezic**  
Technical Compliance

2/24/2016

**Date of Issue**

CMA-ER31001-I02-R00

**Report Number**  
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For technical information on the matters discussed in the document, contact us on 1800 CertMark (237 862), International Call +617 5445 2199 or e-mail [Info@CertMark.org](mailto:Info@CertMark.org).

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## REPORT HOLDER

### **Empire West, Inc.**

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www.ceilume.com

## TECHNICAL SCOPE

*Ceilume* Ceiling Tiles are a Code Compliant Class A interior finish lay-in panel suitable for use as drop out ceiling panels beneath sprinklers in suspended ceiling framing systems in non-fire resistance rated floor-ceiling or roof-ceiling assemblies.

### ***Ceilume* Ceiling Tiles demonstrate Compliance with the following codes:**

- 2012, 2009 and 2006 *International Building Code*® (IBC)

### **Properties evaluated:**

- Interior finish classification
- Thermal stability
- Physical properties

## VALIDITY OF THE FINDING

### **Condition:**

This Evaluation Report applies only to *Ceilume* Ceiling Tiles as described here in.

### **Withdrawal:**

This Evaluation Report will be withdrawn or amended if CMI considers that a change in design or manufacturing quality renders the basis of the appraisal invalid, or if reported field experience convinces CMA of unsatisfactory quality or performance.

### **Term of Validity:**

This CertMark™ assessment will expire two years from the date of issue unless revalidation has been requested and granted.

## EVALUATION SCOPE

### **Compliance with the Following Codes:**

2012, 2009 and 2006 *International Building Code*® (IBC)

### **Properties evaluated:**

- Interior finish classification
- Thermal stability
- Physical properties

### **General Description:**

*Ceilume* Ceiling Tiles are thermoformed PVC panels. The panels are nominally 24 inches by 24 inches [actually 23.75 inches long by 23.75 inches wide (603.3 mm by 603.3 mm)] and nominally 24 inches by 48 inches [actually 23.75 inches long by 47.75 inches wide (603.3 mm by 1212.9 mm)], and are available in two thicknesses and multiple colors and finishes.

## Models:

### **Premiere Feather-Light:**

Nominal thickness of 0.013 inch (0.33 mm) and weight of 167 grams (5.89 ounces) for a nominally 24-inch-by-24-inch panel, and a weight of 334 grams (11.78 ounces) for a nominally 24-inch-by-48-inch panel.

### **Premiere Signature:**

Nominal thickness of 0.03 inch (0.76 mm) and weight of 381 grams (13.43 ounces) for a nominally 24-inch-by-24-inch panel, and a weight of 762 grams (26.86 ounces) for a nominally 24-inch-by-48-inch panel.

### **Better Than Tin/Faux Wood; Feather-Light:**

Nominal thickness of 0.013 inch (0.33mm) and weight of 167 grams (5.89 ounces) for a nominally 24-inch-by-24-inch panel, and a weight of 334 grams (11.78 ounces) for a nominally 24-inch-by-48-inch panel.

### **Better Than Tin/Faux Wood; Signature:**

Nominal thickness of 0.03 inch (0.76 mm) and weight of 381 grams (13.43 ounces) for a nominally 24-inch-by-24-inch panel, and a weight of 762 grams (26.86 ounces) for a nominally 24-inch-by-48-inch panel.

### **Interior Finish Classification:**

*Ceilume* Ceiling Tiles, at a minimum nominal thickness of 0.01 inch (0.25 mm) and a maximum nominal thickness of 0.03 inch (0.76 mm), have a Class A interior finish classification, a flame-spread index not exceeding 25 and a smoke-developed index not exceeding 450, when tested in accordance with ASTM E84.

## INSTALLATION

- *Ceilume* Ceiling Tiles must be installed horizontally in suspended ceiling systems, and are manufactured and identified in accordance with the ceiling tile manufacturer's installation instructions and this report.
- The suspended ceiling framing system must be installed in accordance with Sections 808.1.1 and 2506.2.1 of the 2012 IBC and 2009 IBC, and Sections 803.9.1.1 and 2506.2.1 of the 2006 IBC.
- The panels have a nominally 3/8-inch (9.5 mm) edge support when installed using standard 1-inch (25.4 mm) T-bar grid framing. The panels must be installed in the framing members of suspended ceiling systems without the use of any restraining device that would impede or effect their downward movement. Uplift prevention clips are permitted but not required.
- The space above the panels must not be used as an air circulation plenum.
- The instructions within this report govern if there are any conflicts between the manufacturer's published installation instructions and this report.
- The translucent ceiling tiles must not be used as light diffusers within light fixtures.
- The ceiling tiles are limited to use as a non-structural component in non-fire resistance rated floor-ceiling or roof-ceiling assemblies.

## **BASIS OF THIS EVALUATION REPORT**

This Evaluation Report has considered the following aspects in issuing this recognition:

- Installation procedures
- Physical Properties
- Relevant IBC requirements
- The ability of the installation details to meet the requirements of the 2012, 2009, and 2006 IBC, and applicable international standards.

## **FIRE**

The *Ceilume* Ceiling Tiles have been tested in accordance with ASTM E84 *Standard Test Method for Surface Burning Characteristics of Building Materials and Assemblies*. The following results have been noted:

### **Feather-Light Collection and Signature Collection Ceiling Tiles – Class A Rating:**

Flame Spread Rating – Not to exceed 25 Smoke Developed Classification – Not to exceed 450

- The *Ceilume* Ceiling Tiles have demonstrated compliance with the 2012 IBC, section 803.10, 2009 IBC section 803.10, and 2006 IBC section 803.3 pertaining to stability.

## **CEILING TILES BENEATH SPRINKLERS**

*Ceilume* Ceiling Tiles are recognized for use as drop out ceiling panels beneath sprinklers in concealed sprinkler installations, subject to the authorities having jurisdiction.

- No restraining devices of any kind can be used to limit the ceiling tiles ability to drop from the suspension system in the event of fire. Uplift clips are permitted but not required.
- The 0.013-inch-thick tiles as described in Sections 1.3.1 and 1.3.3 of this report are limited to use with quick response (release) or standard-response sprinklers rated at 155°F (68°C) or above when used with sprinkler systems.
- The 0.030 tiles as described in Sections 1.3.2 and 1.3.4 of this report are limited to use with standard response sprinklers rated at 165°F (74°C) or above when used with sprinkler systems.
- Quick response (release) sprinklers rated at 155°F (68°C) or above shall be installed 1 inch (25.4 mm) or less from the top of the suspended ceiling grid.
- Standard-response sprinklers rated at 165°F (74°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.
- Painting of the ceiling tiles voids these approvals.

## **TEST REPORTS**

1. ASTM E84 - 13 Standard Test Method for Surface Burning Characteristics of Building Materials.
2. CAN/ULC-S102-10: standard method of test for surface burning characteristics of building materials and assemblies.
3. Test reports on self-ignition and flash-ignition temperatures in accordance with ASTM D1929.
4. Submitted Manufacturer's Installation Instructions
5. Test reports on stability of interior finish material in accordance with section 803.10 of the 2012 & 2019 IBC and section 803.3 of the 2006 IBC.

**Manufacturer's Installation Instructions:**

CMI representatives have inspected installations of the systems and found the level of performance satisfactory.

**IDENTIFICATION AND BRANDING**

Each Carton of Panels has a label bearing the manufacturers name (Empire West, Inc.) and address, the product name (*Ceilume* Ceiling Tiles) the date of manufacture and batch number of the tiles, and the Evaluation Report Number CM-ER31001-I02-R00.

The Client may also affix the CertMark™ International mark as shown below.



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## CONCLUSION

In the opinion of CertMark™ International, that the Ceilume Ceiling Tiles is fit for purpose and will comply with the National Construction Code Volume One – Building Code of Australia 2016 to the extent specified in this Evaluation Report provided it is used, designed, installed and maintained as set out in this Evaluation Report.

The Evaluation Report is issued only to Empire West, Inc. and is valid until expiry, subject to the Conditions of Evaluation Report.

## CONDITIONS OF EVALUATION REPORT

This Evaluation Report:

- relates only to the product as described herein;
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