**Product Evaluation Report**

**PER-12059**

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**Listed Product**

**SB2 Adjustable Wall Molding Bracket**

**Listed For**

**USG Interiors, LLC**

550 West Adams Street

Chicago, Illinois 60661

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**Product Description**

The **SB2 Adjustable Wall Molding Bracket** is a hot-dipped galvanized steel bracket, which secures standard wall molding at an angle to accommodate a sloped acoustical ceiling. The brackets can be field modified to accommodate numerous slopes (up-slope and down-slope) while utilizing standard wall molding and eliminates the need for fabricated wall molding.

Applications for uses include all interior general areas, facilitates the use of the USG ACM7 seismic clip and works with intermediate and heavy-duty Donn Suspension Systems.

The lay-in suspended ceiling slope is categorized in three (3) sections for non-seismic and seismic design installation. The three (3) lay-in suspended ceiling slope sections are <15°, 15° - 25° and >25° and are engineered for installation requirements. Install bracket using lag screws or self drilling and self tapping screws.

**General Product Use**

1. The **SB2 Adjustable Wall Molding Bracket** shall be installed in accordance with the **SB2 Adjustable Wall Molding Bracket** installation guide and are subject to the conditions of this **PER**. A copy of the **SB2 Adjustable Wall Molding Bracket** installation guide shall be made easily available to the installer.
2. All construction, wood or steel framing, beams, joist, stringers and associated connections needed to support the **SB2 Adjustable Wall Molding Bracket** are outside the scope of this **PER**. All construction shall follow applicable codes or be designed by a licensed Engineer.
3. The **SB2 Adjustable Wall Molding Bracket** must be installed in compliance with ASTM C636, ASTM C635, ASTM E580, CISCA and Industry Standard practices.

**Code Compliance**

**2012 International Building Code**

Section 2506.2.1 and Section 808.1

Section 1613 - In Compliance with Requirements
Compliance with the following Standard
ASCE 7 - Minimum Design Loads for Buildings and Structures
ASTM E 580 - Standard Practice for Application of Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels in Areas Requiring Moderate Seismic Restraint
ASTM C 636 - Standard Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels
ASTM C 635 - Standard Specifications for the Manufacture, Performance and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings

Note: Installed in compliance with Seismic Design Category C, D, E and F

<table>
<thead>
<tr>
<th>Lay-in Suspended Ceiling Slope</th>
<th>Non-Seismic Installation</th>
<th>Seismic Design Category C</th>
<th>Seismic Design Category D, E, F</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 15°</td>
<td>USG M7 w all molding w positive attachment on all tee ends or 7/8&quot; fabricated / locally sourced w all molding w positive attachment on all tee ends</td>
<td>USG M7 w all molding w ACM7 seismic clip or 7/8&quot; fabricated / locally sourced w all molding w ACM7 seismic clip</td>
<td>USG M7 w all molding w ACM7 seismic clip or 7/8&quot; fabricated / locally sourced w all molding w ACM7 seismic clip</td>
</tr>
<tr>
<td>15° - 25°</td>
<td>SB2 adjustable w all molding bracket w positive attachment on all tee ends or 7/8&quot; fabricated / locally sourced w all molding w positive attachment on all tee ends</td>
<td>SB2 adjustable w all molding bracket installed w USG M7 w all molding and the USG ACM7 seismic clip</td>
<td>SB2 adjustable w all molding bracket installed w USG M7 w all molding and the USG ACM7 seismic clip</td>
</tr>
<tr>
<td>&gt; 25°</td>
<td>Fabricated / locally sourced w all molding with positive attachment on all tee ends</td>
<td>Engineered</td>
<td>Engineered</td>
</tr>
</tbody>
</table>

Note: ASTM Class - Heavy Duty use

<table>
<thead>
<tr>
<th>Load Rating Classifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
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<tr>
<td>5 lbs./LF</td>
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</table>

Seismic Design Classifications

<table>
<thead>
<tr>
<th>Seismic Design Category A, B</th>
<th>Seismic Design Category C</th>
<th>Seismic Design Category D, E, F</th>
</tr>
</thead>
<tbody>
<tr>
<td>No requirement</td>
<td>Intermediate Duty</td>
<td>Heavy Duty</td>
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Note: SB2 Adjustable Wall Molding Bracket - Seismic Category: D, E, F

Product Documentation

Test No. Listed Below
Test No. 86 - SB2 Sloped Ceiling Bracket, Dated: February 1, 2011.

Product Labeling

Each SB2 Adjustable Wall Molding Bracket assembly shipment, that is covered by this Product Evaluation Report, must have a label attached with at least the following information:
1. USG Interior, LLC’s name and address
2. Product name
3. Plant identifier & date code
4. The PER number and Pei’s name or logo
5. ICC-ES ESR Report Number
Product Example

Up slope

Down slope