BUILDING PRODUCT LISTING PROGRAM

Customer: AL13 Architectural Systems
Class: Metal Composite Material Wall Panels
Location: Delta, British Columbia, Canada
Website: www.al13.com

Listing No. B1120-1
Project No. B1120-1, Edition 3

Effective Date: March 31, 2019
Last Revised Date: March 24, 2021
Expires: N/A

Standards:
- CAN/ULC S134 Standard Method of Fire Test of Exterior Wall Assemblies.

Product: AL13 Aluminum Composite Panels (ACP) of the following types:
1. FR Panels.
2. FR-1 Panels.

Markings: Each panel is marked with a permanent label containing the following information:
- Manufacturer's name or recognized trademark, AL13.
- Product name.
- Batch Number.
- Date of Manufacture: Year/Month/Day.
- QAI file number: B1120
- CAN/ULC S102 / ASTM E84 Flame Spread Index and Smoke Developed Indices as noted in this listing.
- QAI logo shown here:
Models / Ratings: AL13 ACP used as cladding on exterior wall assemblies as described below have the following ratings when evaluated in accordance with CAN/ULC S134:

<table>
<thead>
<tr>
<th>QAI Design #</th>
<th>PRODUCT</th>
<th>Heat Flux at 3.5 m</th>
<th>Flame Spread (meters)</th>
<th>Maximum Thickness (mm)</th>
<th>Conditions of Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1120-1a</td>
<td>FR Panel</td>
<td>≤ 35 kW/m^2</td>
<td>&lt; 5.0</td>
<td>4</td>
<td>Installation to be in accordance with QAI Design B1120-1a</td>
</tr>
</tbody>
</table>

AL13 ACP surface burning characteristics determined in accordance with CAN/ULC-S102:

<table>
<thead>
<tr>
<th>Model(s)</th>
<th>Flame Spread Index</th>
<th>Smoke Developed Index</th>
<th>Maximum Thickness (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FR</td>
<td>≤ 25</td>
<td>≤ 50</td>
<td>4</td>
</tr>
<tr>
<td>FR-1</td>
<td>≤ 25</td>
<td>≤ 50</td>
<td>4</td>
</tr>
</tbody>
</table>

AL13 ACP used as cladding on exterior wall assemblies as described below have met the requirements of NFPA 285:

<table>
<thead>
<tr>
<th>QAI Design #</th>
<th>Model(s)</th>
<th>Maximum Thickness</th>
<th>Conditions of Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1120-1b</td>
<td>FR-1</td>
<td>0.16&quot; (4mm)</td>
<td>Installation to be in accordance with QAI Design B1120-1b</td>
</tr>
</tbody>
</table>

AL13 ACP surface burning characteristics determined in accordance ASTM E84:

<table>
<thead>
<tr>
<th>Model(s)</th>
<th>Flame Spread Index</th>
<th>Smoke Developed Index</th>
<th>Maximum Thickness (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FR</td>
<td>≤ 25</td>
<td>≤ 50</td>
<td>4</td>
</tr>
<tr>
<td>FR-1</td>
<td>≤ 25</td>
<td>≤ 50</td>
<td>4</td>
</tr>
</tbody>
</table>
Notes:

Products must be installed with the manufacturer’s installation instructions and in accordance with the building codes recognized by the authority having jurisdiction.

Listed manufacturers are subject to on-going inspections by QAI to ensure that the products outlined above remains as it is listed.

The materials, products or systems listed herein have been qualified to bear the QAI Listing Mark under the conditions stated with each Listing. Only those products bearing the QAI Listing Mark are considered to be listed by QAI. No warranty is expressed or implied, and no guarantee is provided that any jurisdictional authority will accept the Listing found herein. The appropriate authorities should be contacted regarding the acceptability of any given Listing. Visit the QAI Online Listing Directory located at www.qai.org for the most up to date version of this Listing and to validate that this QAI Listing is active. Questions regarding this listing may be directed to info@qai.org. Please include the listing number in the request.

***