LISTING INFORMATION OF
Speedymason Panel

SPEC ID: 42246

Speedymason LLC - PENDING CERTIFICATION
300 Sherry Lynn Lane
Sparta, WI 54656

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Speedymason Panel is a fiber composite plastic panel that acts as a thin brick support system in interior or exterior applications. The panels are intended for use nailed or screwed over a substrate of wood panels or gypsum. The installed Speedymason Panel is designed to accept a full bed of mortar that subsequently has thin brick applied to the mortar bed. Panels are configured so that the face structure acts as both a screed to meter the amount of mortar applied and to provide ledges to support brick until the mortar is set.

Speedymason Panels are tongue and groove panels that are 16 inches x 96 inches in size and are available in multiple configurations for varying brick sizes. Configurations include: “Queen-King”, “Utility-Closer”, “Modular-Norman”, and “Tile and Stone”.

**MATERIAL RATINGS**

<table>
<thead>
<tr>
<th>TEST STANDARD</th>
<th>TEST TYPE</th>
<th>RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM E96</td>
<td>Water Vapor Transmission (WVT)</td>
<td>0.05 (g/h·m²) 0.08 (grains/h·ft²)</td>
</tr>
<tr>
<td>ASTN E96</td>
<td>Permeance (WVT / Δp)</td>
<td>10.52 ng/(Pa.s.m²) 0.18 (Perms)</td>
</tr>
<tr>
<td>ASTM D1037” Section 15.</td>
<td>Nail-Head Pull-Through Ring Shank Nail: Length: 1-1/2 in. Head Diameter: 0.354 in. Shank Diameter: 0.123 in.</td>
<td>Avg. tested resistance of 116.9 lbf (with S.D. 5.5 lbf)</td>
</tr>
<tr>
<td>ASTM D1037” Section 15.</td>
<td>Screw-Head Pull-Through Screws: Length: 2-1/2 in. Head Diameter: 0.326 in. Shank Diameter: 0.181 in.</td>
<td>Avg. tested resistance of 109.5 lbf (with S.D. 3.3 lbf)</td>
</tr>
</tbody>
</table>

* Allowable pull-through loads are for Speedymason Panel and not allowable fastener strength. Strength of fastener is not a subject of this Listing.

**FLAME SPREAD RATINGS**

Speedymason Panel with mortar and 3/8 in. thin brick with grout (brick side exposed)

<table>
<thead>
<tr>
<th>Test Standard</th>
<th>Flame Spread</th>
<th>Smoke Development</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM E84</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**PERFORMANCE TESTING**

Performance of 48 inch x 96 inch wall panel assembly that includes Speedymason Panels.

The assembly consisted of the following components from exterior to interior:
Modular style 3/8 in. thin brick with 3/8 in. grout joints
- Mortar Bed, Speedymason Mortar Mix.
- Speedy Mason Panels secured with #8 x 2 ½ in. stainless steel screws 8 inches on center
- Typar building wrap
- 1 in. R-5 XPS Insulation
- 7/16 in. OSB exterior sheathing attached to studs with 2-3/8 x 0.113 in. nails spaced 6 inches on center along the edges and 12 inches on center at the intermediate supports
- 2x4 Douglas Fir studs 16 inches on center.

<table>
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<tr>
<th>TEST STANDARD</th>
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</tr>
</thead>
<tbody>
<tr>
<td>ASTM E283</td>
<td>Air Infiltration</td>
<td>&lt;0.01 cfm/ft² at 1.57 psf</td>
</tr>
<tr>
<td>ASTM E331</td>
<td>Water Penetration</td>
<td>No Leakage at 11.27 psf</td>
</tr>
<tr>
<td>ASTM E330</td>
<td>Structural Performance</td>
<td>Design Pressure +/- 75 psf</td>
</tr>
<tr>
<td>AAMA 501.1</td>
<td>Dynamic Water Penetration</td>
<td>Pass - No leakage at 15 psf</td>
</tr>
</tbody>
</table>

Attribute | Value
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Criteria | AAMA 501 (2005)
Criteria | ASTM E330 (2014)
Criteria | ASTM E331 (2016)
Criteria | ASTM D1037 (2012)
Criteria | ASTM E84 (2016)
CSI Code | 06 60 00 Plastic Fabrications
Intertek Services | Certification
Listed or Inspected | LISTED
Listing Section | BUILDING MATERIALS WITH SURFACE BURNING CHARACTERISTICS
Listing Section | EXTERIOR CLADDING SYSTEMS & COMPONENTS
Report Number | G102860812
Spec ID | 42246
Verification Testing | No