### QAI Design B1071-1 – Stabilit America, Inc. (dba Resolite) - Resolite Panel Assembly

**CAN/ULC S134 - Exterior Rain Screen Assembly for Non-Combustible Construction**

- **Maximum Heat Flux**: \(\leq 35 \text{ kW/m}^2 \) @ 3.5 m
- **Maximum Flame Spread**: \(\leq 5 \text{ m} \)

---

#### No. | COMPONENT | DESCRIPTION
--- | --- | ---
1 | Flashing | As per installation requirements

#### 2 Exterior Cladding Panel
- **Certified Manufacturer**: Stabilit America
- **Certified Panel**: Resolite Fiberglass Reinforced Plastic (FRP) Panel
- **Panel Weight**: Maximum 5.2 kg/m\(^2\) (17 oz./ft\(^2\))
- **Fasteners**: Minimum #14 x 51 mm (2 inch) Self-Taping Hex Screws with neoprene gasketed stainless steel washers spaced per wind load requirements
- **Horizontal Overlap**: Maximum 83 mm (3-1/4 inch) overlap with SB-2 Grommet fasteners vertically every 457 mm (18 inch) o.c.
- **Vertical Overlap**: Maximum 102 mm (4 inch) panel overlap

#### 3 Insulation
- **Product**: Minimum 76 mm (3 inch) thick mineral wool insulation conforming to ASTM C612
- **Minimum Density**: 64 kg/m\(^3\) (4 lbs/ft\(^3\))
- **Installation**: Friction fitted between the horizontal “Z” girts (Item 4)

#### 4 Rail
- **Type**: Steel “Z” bar
- **Gauge**: 18 ga
- **Size**: Depth equivalent to the insulation thickness and sized as per wind load requirements
- **Rail Spacing**: Maximum 1525 mm (60 inch) spacing or as per wind load requirements
- **Fastening**: Fastened along the exterior of the interior cladding (item 2) and into the C-Channel (Item 6) with minimum #14 x 51 mm (2 inch) Self-Taping Hex Screws with stainless steel washers having integral bonded neoprene gaskets spaced per wind load requirements

#### 5 Interior Liner Panel
- **Certified Manufacturer**: Stabilit America
- **Certified Panel**: Resolite Fiberglass Reinforced Plastic (FRP) Panel
- **Panel Weight**: Maximum 5.2 kg/m\(^2\) (17 oz./ft\(^2\))
- **Fasteners**: \(\frac{3}{4}\)-14 x 25 mm (1 inch) Type B (3/8 HH) 304 SS fasteners with neoprene gasketed stainless steel washers spaced per wind load requirements
- **Horizontal Overlap**: 76 mm (3 inch) panel overlap
- **Vertical Overlap**: 102 mm (4 inch) panel overlap

#### 6 Rail
- **Type**: Steel C-channel
- **Gauge**: 18 ga
- **Details**: Size, spacing and fasteners as per wind load requirements

---

Visit the QAI Online Listing Directory located at [www.qai.org](http://www.qai.org) for the most up to date version of this Listing and to validate that this QAI Listing is active.