

### 1. Product Name

Elevation® Railing Support Embed Pan

### 2. Manufacturer

Formulated Materials, LLC  
3010 NW 149th St., SUITE 100  
Oklahoma City, OK 73134  
Tech Services : (844) 405-3676  
[www.formulatedmaterials.com](http://www.formulatedmaterials.com)  
[www.formulated.info](http://www.formulated.info)

### 3. Product Description

Elevation® Railing Support Embed Pan is designed to deliver a fast, reliable solution for waterproofing railing support plates for balcony railing. An engineered, durable ABS flashing pan surrounds the embedded plate with a three-lip system. This system ensures the waterproofing of embedded plates regardless of the installer's experience. This pan encapsulates the railing support plate and fastening bolts, permanently bonding them to the wood decking.

#### Key Features

- Industry-First Solution: Addresses a key failure point in balcony waterproofing - Patent #11,091,915.
- Exclusive Three-Lip design accomplishes the following:
  - Interior Lip – additional water protection.
  - Middle Lip – stop for the sealant at height that ensures sealant coverage of plate and bolts.
  - Outside Lip – provides a separation between sealant and waterproofing membrane.
- Quick, user-friendly application requiring minimal skill.
- Provides a reliable, long-term waterproofing solution.
- Best in class warranty coverage when used with the Elevation® Waterproofing System.

#### Product Composition

ABS Plastic

#### Product Limitations

- Surfaces must be clean, dry and free of foreign matter.
- Not indefinitely UV-stable.

#### Packaging

- 24 per box / 60 boxes per pallet.



### 4. Technical Data

#### Technical Chart

Property	Test Method	Results
Appearance		Cream color
Width		1/2" (1.27 cm)
Height		1/2" (1.27 cm)
Cavity Width		5-1/2" sq (14 cm)
Cavity Height		1/2" (1.27 cm)
Packaging		24 per box, 60 boxes per pallet
Weight		20 lbs (9 kg) per box 1200 lbs (545 kg) per pallet

#### Environmental Considerations

Formulated Materials is dedicated to environmental responsibility in product development and manufacturing processes. When used per applicable guidelines, this product may contribute to LEED® certification.

### 5. Instructions

#### General Surface Prep

Ensure the surface is clean, dry and structurally sound. Repair any cracks, spalling, or unstable areas. Remove dust, dirt, oil, grease, and contaminants. Use mechanical methods (grinding, sanding) if needed. Verify moisture levels meet product requirements. Address excessive moisture if necessary. Apply primer as specified and allow it to dry thoroughly. Maintain recommended temperature and humidity. Avoid extreme conditions. Perform a final check to clear debris and confirm the surface meets all preparation guidelines before application.

### Installation of Product

Always read the Safety Data Sheet (SDS) for full precautionary instructions before use.

### Tools Required:

- Tape Measure
- Hammer
- 1-1/2" - 2" Roofing Nails
- 20oz 'sausage' caulk gun
- Railing Support Pan Sealant

### Pre-Installation Requirements:

- Ensure Railing Support Plate mounting bolts do not extend more than 1/2" above the balcony deck surface.
- Verify balcony deck has proper slope.
- Railing Support Embed Pan is compatible with mounting plates up to 5" x 5" at the base.
- Confirm the balcony deck is clean, dry, and free of loose debris.
- Ensure the area around the Railing Support Plate is free from cleaners or solvents.

### Installation Steps

- **Position the Embed Pan:**
  - Place the Railing Support Embed Pan around the Railing Support Plate.
  - Ensure the leading edge of the Railing Support Embed Pan is at least 3" from the balcony edge and 3.5" from all walls.
  - Ensure weep voids face toward the highest point of the slope.
- **Position the Embed Pan:**
  - Apply a generous, continuous bead of Railing Support Pan Sealant underneath the pan flange before nailing it in place through the pre-drilled holes.
- **Final Weatherproofing:**
  - After waterproofing membrane installation is complete, fill the cavity with Railing Support Pan Sealant up to the Middle Lip.

### Storage & Handling

- Store in a dry environment away from moisture.

### Health Precautions

- Follow all local safety regulations, including OSHA Section V: Chapter 4 for Fall Protection in Construction.
- Follow the manufacturer's Safety Data Sheets (SDS) and safety protocols for PPE.

### Conformance to Building Codes

Installation must comply with all applicable local, state, and federal codes, regulations, and industry standards.

## 6. Availability

Item	Description	Color
10305	Elevation® Railing Support Embed Pan	Cream

24 per case / 60 cases per pallet

## 7. Product Warranty

For details and complete warranty information, visit [www.formulatedmaterials.com](http://www.formulatedmaterials.com)

## 8. Product Maintenance

Properly installed products do not require ongoing maintenance.

## 9. Technical Services Information

For Technical Services, contact Formulated Materials at (844) 405-3676

## 10. Filing System

Additional product information is available from Formulated Materials upon request.



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