

WeatherBond

Insert Drain



Overview

WeatherBond's Insert Drain is designed for use in EPDM, TPO, and PVC single-ply roofing systems. Constructed of durable aluminum and stainless steel, WeatherBond's Insert Drain features an extra-large flange for positive attachment of the roof flashing membrane, a recessed metal clamping ring for roof termination and proper drainage, and an oversized drain strainer to minimize damming.

Features and Benefits

- Available in 3", 4", 5", and 6" sizes
- Drain flange ensures consistent, stable attachment to the substrate outside of the existing drain bowl and positive attachment of flashing membrane
- Strainer dome features a low-profile base to promote drainage, and large diameter provides added flow capacity and minimizes damming
- Aluminum clamping ring is recessed into the drain flange to maximize drainage, and is secured to stainless steel studs
- Backflow compression seal is quickly activated at drain flange level and protects against water backup damage
- Saves time and labor; installation does not disturb building occupants

Installation

1. The existing leader pipe shall be cleaned of excess bitumen build-up, dirt, and debris. Remove the clamping ring assembly and bolts from the existing drain and discard.
2. The aluminum activation cone may have settled into the backflow seal during shipping, which may partially activate the seal. To deactivate the seal, simply push down on the top of the two backflow bolts.

Note: the top of the tapered metal cone should remain inside the bottom of the urethane seal. Do not fully disengage the cone from the urethane seal.

3. Lower the Insert Drain into the existing drain leader pipe until the underside of the drain flange sits flat on the substrate.
4. Using the pre-punched holes in the perimeter of the flange, secure the drain flange to the substrate with appropriate fasteners.
5. Hand-tighten the $\frac{7}{16}$ " bolts on the backflow rods to activate the seal. Alternate tightening between the bolts for an even seal expansion.
6. Install roofing material per WeatherBond's specifications and details.
7. Install the metal clamping ring over the flashing materials and secure in place by hand-tightening the lock nuts provided.
8. Place the 1"-long slots in the top of the strainer directly over the two strainer securement brackets by pressing the two brackets inward. Push down until strainer is at roof level.

REVIEW CURRENT WEATHERBOND INSTALLATION INSTRUCTIONS FOR SPECIFIC INSTALLATION REQUIREMENTS.

Precautions

1. Be sure the drain leader is thoroughly cleared of build-up and debris.
2. The top of the tapered metal cone should remain inside the bottom of the urethane seal. Do not fully disengage the cone from the urethane seal.
3. The backflow rods should be snug when fully activated. Do not overtighten.
4. When installing the metal clamping ring, do not overtighten the provided lock nuts.

Typical Properties and Characteristics

Property	Value
Drain Sizes	3" – (opening 2 $\frac{3}{4}$ " – 3 $\frac{1}{8}$ ") 4" – (opening 3 $\frac{3}{4}$ " – 4 $\frac{1}{8}$ ") 5" – (opening 4 $\frac{3}{4}$ " – 5 $\frac{1}{8}$ ") 6" – (opening 5 $\frac{3}{8}$ " – 6 $\frac{1}{4}$ ")
Packaging	1 per box
Weight (each)	8.5 lbs
Material	Aluminum
Color	N/A
Stem Length	9"
Flange Size	18" x 18"

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.



WEATHERBOND
ROOFING SYSTEMS

Single-Ply Simplified

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