



Aluminator Retrofit Roof Drain

with MaxxFlo Seal

PRODUCT DATA SHEET



DESCRIPTION

Aluminator Retrofit Roof Drain with MaxxFlo Seal is design to quickly address the need to replace existing roof drains in a re-roofing application. Durability is assured through the use of heavy duty (0.81") aluminum. The exclusive MaxxFlo mechanical seal offers superior protection against water backup. Available with a variety of flange options (plain aluminum, TPO and PVC clad) to accommodate most roofing systems.

FEATURES AND BENEFITS

- Installation tool included with each drain
- Meets and exceeds ANSI/SPRI RD1 requirements for water back flow
- Exclusive MaxxFlo mechanical seal prevents water backup
- Constructed of heavy duty (0.81") spun aluminum for durability
- Maximized drainage: 1-1/4" heavy duty aluminum drain ring has 12 scallops and seep holes on bottom
- Designed for quick and easy installation

INSTALLATION

Preparation

1. Remove existing roof drain strainer, clamping ring and any other components to allow new drain flange to lie flush on roof membrane.
2. Remove any debris in the existing drain pipe that interferes with proper installation. Inside surface of drain pipe must be clean and smooth to allow proper mating of seal. A heat gun may be used to facilitate removal of asphalt.

Installation

1. Inspect existing drain line to ensure there are no elbows or obstacles that will the drain stem from fully extending into the pipe.
2. If an elbow or obstruction is present that prevents drain stem from fully extending into the pipe, drain stem can be shortened. Proper installation requires a minimum clearance of 4" in the existing drain pipe and a minimum drain stem length of 2-1/2". Cut drain stem to desired length.
3. Insert MaxxFlo mechanical seal into end of drain stem and lightly tighten screws to hold MaxxFlo seal in place during installation. MaxxFlo seal must fit tightly into end of drain stem, but care must be taken to not overtighten the MaxxFlo seal at this point.
4. Insert Aluminator Retrofit Drain into existing pipe until flange sits flush on roof membrane.
5. Alternately tighten seal compression ring screws with installation tool until hand tight. Aluminator drain body is properly installed when pressure placed on drain body results in no vertical movement. Do not overtighten the screws.
6. Secure the drain flange to the roof deck (or blocking) with a minimum of three fasteners evenly spaced around the flange. Fasteners must be placed along outer edge of flange to allow new flashing membrane to properly cover the fastener heads. Install flashing membrane as per manufacturer's instructions.
 - a. PVC or TPO membranes may be heat welded directly to a PVC or TPO coated drain flange.
 - b. For membranes that are not heat welded to the drain flange, install a bead of sealant as per standard drain detail.
7. Place aluminum clamping ring over metal studs and secure with supplied stainless steel nuts and washers. Evenly tighten clamping ring until flashing membrane is secured. Do not over tighten as damage can occur.
8. Install new aluminum strainer by aligning screw holes with holes in clamping ring. Secure with screws provided.

SPECIFICATIONS

Sizes: 3", 4", 5" and 6" drain lines

Flange: 16" diameter, 0.81" aluminum

Flange Options: Aluminum, TPO clad, PVC clad and asphalt coated

Strainer: 10" diameter, bolt down, aluminum, 6" tall

Outlet: 12" long (can be cut to min. 2-1/2" length)

Drain Ring: 1-1/4" heavy duty aluminum with 12 scallops, also has seep holes on bottom

Packaging: 1 per carton



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PRODUCT SIZING SPECIFICATIONS

| DRAIN SIZE | OD OF PRE-EXPANDED SEAL | FITS INTO PIPE ID | FULLY EXPANDED SEAL | FLOW CAPACITY (GPM) |
|------------|-------------------------|-------------------|---------------------|---------------------|
| 3" | 2.86" | 2-7/8" to 3-1/4" | 3.40" | 45 |
| 4" | 3.74" | 3-7/8" to 4-1/4" | 4.40" | 85 |
| 5" | 4.73" | 4-7/8" to 5-1/4" | 5.40" | 180 |
| 6" | 5.75" | 5-7/8" to 6-1/4" | 6.40" | 210 |

PROTECTION & SAFETY

Mule-Hide maintains Safety Data Sheets on all of its non-exempt products. Safety Data Sheets contain health and safety information for your development of appropriate product handling procedures to protect your employees and customers. Mule-Hide's Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Mule-Hide products in your facilities.

ADDITIONAL INFORMATION

On projects where a Mule-Hide Standard or Premium Warranty is requested, an authorized Mule-hide representative shall inspect all completed work.

The information given on this PDS is subject to change without notice. Always check the Mule-Hide website at www.mulehide.com for the latest information, changes and updates or contact Mule-Hide Products Company at 800-786-1492.

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