EASYSEAL™ RETROFIT ROOF DRAIN

PRODUCT INFORMATION

PRODUCT DESCRIPTION

The EasySeal™ Retrofit Roof Drain with mechanical seal is designed to quickly address the need to replace existing roof drains in a re-roofing application. The all-aluminum construction assures durability with the use of heavy duty (0.125″) aluminum. The mechanical seal offers superior protection against water backup. It is available with a variety of flange options (plain aluminum, TPO clad, and PVC clad) to accommodate most roofing systems.

Features include:

- All-Aluminum retrofit drain with aluminum body, available in dia. sizes: 3″, 4″, 5″, 6″
- Constructed of heavy duty spun aluminum for quick & easy installation
- Included heavy duty aluminum ring (1-1/4″ H)
  - » 12 Scallops to maximize drainage
  - » Seep holes on bottom of ring & bolt in place
  - » 3-Bolt aluminum strainer (10″ dia. x 6″ H)
- Larger stud diameter for increased strength of hardware
- Includes EasySeal strong mechanical seal that prevents water back-up issues
  - » Mechanical seal tool in every box!
- Flange diameter: 16″ (available with PVC or TPO coating for direct air welding to specific roofing membranes)
- Drain outlet length: 12″

CODE APPROVALS & LISTINGS

Certified by QAI

ASME 112.6.4 & CSA B79

MATERIAL SPECIFICATIONS

Heavy duty spun aluminum

PRODUCT SELECTION

Part No.	Description	Drain Diameter		Pkg. Wt.	Pallet Qty.
RD-BALUM3CRP	3″ Dia. EasySeal™ Roof Drain	3″	76.2 mm	8 lbs.	36
RD-BALUM3CRP-PVC	3″ Dia. EasySeal™ Roof Drain with PVC-coated flange	3″	76.2 mm	8 lbs.	36
RD-BALUM3CRP-TPO	3″ Dia. EasySeal™ Roof Drain with TPO-coated flange	3″	76.2 mm	8 lbs.	36
RD-BALUM4CRP	4″ Dia. EasySeal™ Roof Drain	4″	101.6 mm	8 lbs.	36
RD-BALUM4CRP-PVC	4″ Dia. EasySeal™ Roof Drain with PVC-coated flange	4″	101.6 mm	8 lbs.	36
RD-BALUM4CRP-TPO	4″ Dia. EasySeal™ Roof Drain with TPO-coated flange	4″	101.6 mm	8 lbs.	36
RD-BALUM5CRP	5″ Dia. EasySeal™ Roof Drain	5″	127.0 mm	8 lbs.	36
RD-BALUM5CRP-PVC	5″ Dia. EasySeal™ Roof Drain with PVC-coated flange	5″	127.0 mm	8 lbs.	36
RD-BALUM5CRP-TPO	5″ Dia. EasySeal™ Roof Drain with TPO-coated flange	5″	127.0 mm	8 lbs.	36
RD-BALUM6CRP	6″ Dia. EasySeal™ Roof Drain	6″	152.4 mm	8 lbs.	36
RD-BALUM6CRP-PVC	6″ Dia. EasySeal™ Roof Drain with PVC-coated flange	6″	152.4 mm	8 lbs.	36
RD-BALUM6CRP-TPO	6″ Dia. EasySeal™ Roof Drain with TPO-coated flange	6″	152.4 mm	8 lbs.	36

*NOTE: All drains have an aluminum clamping ring and a 10″ aluminum strainer.

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PERFORMANCE DATA

A common question regarding retrofit drain performance is the ability of the drain to handle a certain volume of water in a specified period of time. The typical measurement is gallons per minute (GPM). Many characteristics of a drain can have both positive and negative effects on performance results; the drainpipe diameter also factors in to the actual performance. Combined with local rainfall charts and the square footage of the area to be drained, accurate gallons per minute data is crucial.

Drain Size	Flow Capacity (GPM)
3″	45
4″	85
5″	180
6″	210

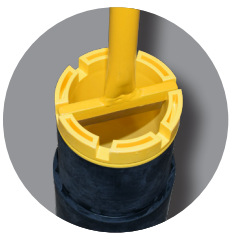
Drain Size	O.D. of Pre-Expanded Seal	Fits into Pipe I.D.	Fully Expanded Seal
3″	2.86″	2-7/8″ – 3-1/4″	3.40″
4″	3.74″	3-7/8″ – 4-1/4″	4.40″
5″	4.73″	4-7/8″ – 5-1/4″	5.40″
6″	5.75″	5-7/8″ – 6-1/4″	6.40″

*Due to variations in manufacturing and job site inconsistencies, the above data are guidelines only and are not guaranteed for any specific situations.

INSTALLATION GUIDELINES

Preparation: Remove existing roof drain strainer, clamping ring and any other components to allow new drain flange to lie flush on roof membrane. 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: Inspect existing drain line to ensure there are no elbows or obstacles that will prevent the drain stem from fully extending into the pipe. 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. Insert the EasySeal™ Retrofit Roof Drain mechanical seal into end of drain stem. Insert the seal tool into the seal as shown in the inset image at the left. Turn tool clockwise to lightly tighten the mechanical seal to hold seal in place during installation. The EasySeal seal must fit tightly into end of drain stem, but care must be taken to not overtighten the seal at this point.



Insert the EasySeal Retrofit Roof Drain into existing pipe until flange sits flush on roof membrane. Tighten seal compression ring with installation tool until hand tight. The EasySeal drain body is properly installed when pressure placed on drain body results in no vertical movement. Do not overtighten the mechanical seal.

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. PVC or TPO membranes may be heat welded directly to a PVC or TPO coated drain flange. For membranes that are not heat welded to the drain flange, install a bead of sealant as per standard drain detail.

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. Install new aluminum strainer by aligning screw holes with holes in clamping ring. Secure with screws provided.

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DISCLAIMER