FLASH-TITE OVERFLOW ROOF DRAINS

DESCRIPTION & USE

FLASH-TITE OVERFLOW Drains are premium roof drains with overflow pipes for use in all low slope roof applications. These drains are compatible with single ply, built-up or modified bitumen roofing membranes. They are available in a "new construction" design or a "retrofit" insert design for reroofing applications. FLASH-TITE OVERFLOW Drains are only available in copper.

FLASH-TITE OVERFLOW Drains become an alternative system to replace overflow scuppers at the building perimeter.

The use of a drain with an overflow pipe must be approved by a building mechanical engineer.

The overflow pipe can be used in conjunction with another roof drain with a flow control insert, in which the overflow pipe then acts as a secondary drainage. This again must be approved by a building mechanical engineer.

FEATURES & BENEFITS

A Flatter Flange - Fits more “wrinkle-free” into the hopper.

Drainage right down to the membrane - 4 open channels on clamping ring and 3 open channels on strainer to allow for maximum water drainage.

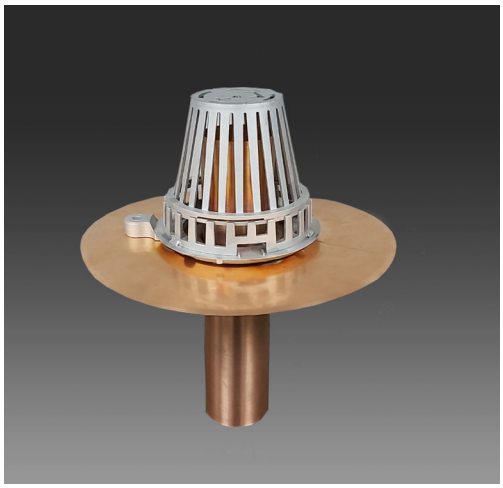
Heavy-Duty Construction - Matt finish cast aluminum clamping ring and strainers provide moderate resistance to vandalism. Robust clamping ring fastened with (4) four 9.5 mm (3/8") dia. Threaded studs. Copper hoppers are tig welded (versus soldered) to resist failure from high temperature roofing torches.

Mechanical Membrane Securement - Heavy duty clamping ring mechanically secures the roofing membrane to the drain flashing.

Full Insulating Value - Flat, funnel-less designs permits rapid drainage without compromising the full thickness of the surrounding roof insulation.

Overflow pipe - Allows you to control the height of water accumulation on the roof, up to 178 mm (7"). The overflow pipe is welded (not soldered) into place on the surface of the roof drain flange to resist failure from high temperature roofing torches.

Separate Clamping Ring & Strainer - Can be removed for cleaning without affecting the clamping ring or membrane seal.



TECHNICAL DATA

Physical Dimensions	
Strainer Height:	185 mm (7.25")
Downspout Lenght:	305 mm (12")
Flange Diameter:	432 mm to 457 mm (17" to 18")

Drain Dimensions	
New Constructions Drains Sizes	**Retrofits Drains Sizes**
76 mm (3")	70 mm (2.75") to fit a 76 mm (3") drain pipe.
101.6 mm (4")	95 mm (3.75") to fit a 101.6 mm (4") drain pipe.

Note: *Custom sizes are available to a maximum of 152.4 mm (6"). *

Options

Refer to the appropriate data sheet for more information.

- Retrofit Roof Drain Seal (Maxxflo is recommended)
- Integrated Deck Clamp
- Under Deck Clamp
- Ballast Guard
- Painted Strainer (White Polyester Powder Coating; Paint Thickness = 3 mm (0.118")
- Securement Ring
- Pre-fabricated Single Ply Target Patch
- Flat-it Identification System
- LEXHEAT Self-Regulating Heat Plate

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INSTALLATION

Upon the roof membrane installation, cut an appropriate sized hole over the drain pipe location. If using a pipe seal, connect it to the OVERFLOW Drains downspout prior to insertion. Insert the drain downspout into the drainage pipe, ensuring a proper drain-to-pipe seal, as per drain seal manufacturer instructions.

Adhere the drain hopper flange to the top of the underlying roof membrane using a membrane compatible adhesive. If not utilizing a DECK CLAMP SYSTEM, the drain must be mechanically fastened to the structural deck with insulation screws (recommended). Fasten 4 screws 25 mm (1”) is from the edge of the flange. Alternatively, use the FLASH-TITE DECK CLAMP SYSTEM.

Adhere appropriate membrane target patch flashing overtop of the drain flange, bringing it up to the edge of the downspout. Apply a membrane compatible sealant along the underside edge of the membrane target patch flashing.

Install any drain accessory option as required. Install clamping ring assembly; fasten with manufacturers supplied 9.5 mm (3/8") hex nuts (do not over tighten). Install strainer; tighten the strainer to the clamping ring with (3) three 6.4 mm (8/32”) Robinson’s head screws. Complete membrane flashing detail as per best roofing practice.

SPECIFICATION

FLASH-TITE OVERFLOW DRAINS

Spec Note: Choose desired choice from alternative option in square brackets.

1. Description: [New Construction; Retrofit] Drain hopper shall consist of 0.8 mm (0.315") to 1.5 lbs (24 oz) thick spun copper hopper welded to a copper downspout. [New Construction; Retro-fit] Drain hopper shall consist of 0.8 mm (0.315") to 1.5 lbs (24 oz) thick spun copper hopper welded to a copper downspout.
2. Flange shall be fixed with [4; 8] clamping ring studs to receive clamping ring and strainer. Strainer and clamping ring shall be fabricated from sand blasted, matt finish, heavy duty cast aluminum. Strainer [polyester based powder coat finish] shall be a 184 mm (7.25”) high, secured to the drain clamping ring with (3) three 6.4 mm (8/32”) Robinson head screws.
3. Clamping ring shall have 4 open channels to allow for maximum water drainage.
4. Drains shall be supplied with [Stainless Steel Ballast Guard; Flow Control Insert; Flag-it Identification System].mechanical joint connectors].
5. Drains shall be inserted into the drain pipes as shown on the shop drawings and secured to the deck with the [Integral Deck Clamp (IDC); Under Deck Clamp (UDC)] secured tightly to the underside of the deck. Seal the drain to the drainpipe with the appropriate size [Maxxflo Retrofit Roof Drain Seal; FLASH-TITE DRAIN SEALS; mechanical joint connector].
6. Flash the drains into the roofing system in accordance with [NRCA guidelines; CRCA guidelines; the requirements of the roof membrane manufacturer]. Install clamping ring over membrane target patch and secure tightly to the flange with manufacturer supplied nuts and washers.
7. Specified Product: LEXCOR FLASH-TITE OVERFLOW Drain by Lexsuco Corporation (www.lexsucocorporation.com, Tel: 800.268.2889, E-Mail: info@lexsucocorp.com).

WARRANTY

This product’s lifetime warranty ensures it remains free from manufacturing defects and will perform its intended function throughout the entire lifespan of the roofing system.