

# FLASH-TITE OVERFLOW ROOF DRAINS

## DESCRIPTION & USE

FLASH-TITE OVERFLOW DRAIN is a premium roof drain with an overflow pipe, for use in all low slope roof applications. This drain is compatible with single ply, built-up or modified bitumen roofing membranes. It is available in a "new construction" design or a "retrofit" insert design for reroofing applications. FLASH-TITE OVERFLOW DRAIN is only available in copper.

FLASH-TITE OVERFLOW DRAIN becomes 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 DRAIN can be used in conjunction with another roof drain in which the OVERFLOW DRAIN then acts as a secondary drainage. This again must be approved by a building mechanical engineer.

## FEATURES & BENEFITS

**Overflow Pipe** - Up to 152 mm (6") in height, it acts as a back-up drainage system preventing excessive water accumulation on the roof.

**Heavy-Duty Construction** - Matt finish cast aluminum clamping ring and strainer provides exceptional resistance to vandalism. The strainer design resists loss or theft. Copper drain body / overflow pipe is welded (versus soldered) to resist failure from high temperature roofing torches.

**Mechanical Membrane Securement** - Strainer comes complete with an integral clamping ring mechanically secures the roofing membrane to the drain.

**A Flatter Flange** - Membrane fits "wrinkle-free" onto the drain body.

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

## TECHNICAL DATA

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



Drain Dimensions	
New Construction Drain Sizes	Retrofit Drain Sizes
76 mm (3")	70 mm (2.75") to fit a 76 mm (3") nominal drainpipe
102 mm (4")	95 mm (3.75") to fit a 101.6 mm (4") nominal drainpipe

**Note:** \* Custom pipe lengths are available for copper.

Custom sizes are available to a maximum of 152.4 mm (6"). Please contact LEXCOR with your request.

### Options

Refer to the appropriate data sheet for more information.

- Drain Seal (Maxxflo is recommended)
- Integrated Deck Clamp
- Under Deck Clamp
- Ballast Guard
- Painted Strainer (White Polyester Powder Coating; Paint Thickness = 0.15 mm (0.0059") ±10%)
- Securement Ring
- LEXHEAT Self-Regulating Heat Plate



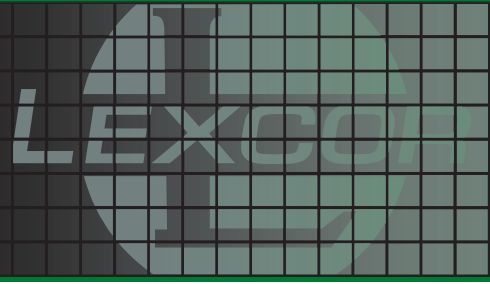
## COMMERCIAL BUILDING PRODUCTS

Ontario & Western Canada 1.800.268.2889 / Quebec & Atlantic 1.800.363.2307

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## INSTALLATION

Cut an appropriate sized hole through roofing system materials over the drainpipe. In retrofit applications, connect a pipe seal to the OVERFLOW DRAIN downspout. Insert the drain downspout into the drainage pipe, ensuring a proper drain-to-pipe seal. Adhere the drain body flange to the top of the underlying roof membrane using a membrane compatible adhesive. The drain must be mechanically fastened to the structural deck with insulation screws. Fasten 4 screws 25 mm (1") is from the edge of the flange. Alternatively, use the FLASH-TITE UNDER DECK CLAMP.

Adhere appropriate membrane target patch flashing overtop of the drain flange. Apply a membrane compatible sealant along the underside edge of the membrane target patch flashing.

Install any drain accessory as required. Install strainer with integral clamping ring by fastening down 4 to 8 nuts (do not over tighten). Complete membrane flashing detail as per manufacturer specifications.

## SPECIFICATION

### FLASH-TITE OVERFLOW DRAIN

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

1. Description: [New Construction; Retrofit] Drain body shall consist of 24 oz - 0.81 mm (0.032") thick spun copper flange welded to a DWV copper downspout.
2. Flange shall be fixed with 4 or 8 (3/8"-16) clamping ring studs to receive strainer with integral clamping ring. Strainer and clamping ring shall be fabricated from 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.
3. Clamping ring shall have 4 open channels to allow for maximum water drainage.
4. Drain shall be supplied with [Stainless Steel Ballast Guard; Securement Ring; LEXHEAT heat plate].
5. Drain shall be inserted into the drainpipe 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 SEAL; 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 strainer with integral clamping ring over membrane and secure tightly to the flange with [stainless steel; aluminum] 3/8"-16 nuts.

7. ACCEPTED PRODUCT: FLASH-TITE OVERFLOW DRAIN by LEXCOR, distributed by Lexsuco Corporation ([www.lexsuco-corporation.com](http://www.lexsuco-corporation.com), Tel: 800.268.2889, E-Mail: [info@lexsucocorp.com](mailto: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.



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