Sarnadrain with U-Flow®

PRODUCT DESCRIPTION
Sarnadrain with U-Flow® is a seamless heavy-duty aluminum drain, featuring a coated flange for hot air welding of Sika Sarnafil membranes.

USES
To allow drainage on retrofit and replacement roofing applications

Areas of Application
- Replacement Roofs
- Mechanically Fastened Systems
- Adhered Systems

CHARACTERISTICS / ADVANTAGES
- An aluminum strainer dome provides strength and durability, while the extra-large flange, with welded metal clips for attachment of the dome, possesses a depressed sump to allow easy drainage of water from the roof surface.
- An extended vertical drop to the drain stem and the use of an ‘easy-to-install’ U-Flow seal add flexibility and achieves watertight mechanical connections to existing PVC or cast iron pipes.
- Sarnadrain with U-Flow® is available in a number of diameters to accommodate project requirements.

PRODUCT DATA SHEET
Sarnadrain with U-Flow®

SARNADRAIN WITH U-FLOW IS A HEAVY-DUTY ALUMINUM DRAIN
PRODUCT INFORMATION

Chemical Base
Sarnadrain with U-Flow® consists of a one-piece spun, 0.125" (3.175 mm), 11 gauge thick aluminum body, a 17.5" (445 mm) diameter, a 12" (305 mm) long drain stem and a thermoplastic PVC coated flange.

Packaging
• Packaged individually in a cardboard box
• Available in 3" (75mm), 4" (100mm), and 6" (150 mm) diameters

Shelf Life
N/A

Storage Conditions
N/A

Dimensions
<table>
<thead>
<tr>
<th>Stem Size</th>
<th>Outside Diameter of pre-expanded seal</th>
<th>Fit into pipe Inside Diameter</th>
<th>Fully expanded</th>
</tr>
</thead>
<tbody>
<tr>
<td>3&quot; (75 mm)</td>
<td>2.86&quot; (71.5 mm)</td>
<td>2.88&quot; (72 mm)</td>
<td>3.40&quot; (85 mm)</td>
</tr>
<tr>
<td>4&quot; (100 mm)</td>
<td>3.74&quot; (93.5 mm)</td>
<td>3.76&quot; (94 mm)</td>
<td>4.40&quot; (110 mm)</td>
</tr>
<tr>
<td>6&quot; (150 mm)</td>
<td>5.75&quot; (143.75 mm)</td>
<td>5.77&quot; (144.25 mm)</td>
<td>6.40&quot; (160 mm)</td>
</tr>
</tbody>
</table>

APPLICATION INSTRUCTIONS

APPLICATION
The drainage characteristics of the roof and any subsequent necessity for slopes to drain or additional drains must first be determined by the roof designer. The Sika Sarnafil roof membrane is installed over the insulation board (when applicable) and a round hole is cut into the Sika Sarnafil membrane directly over and equal to the existing drain pipe diameter.

Existing leader pipes shall be cleaned of excess bitumen build-up, dirt and debris.

Remove any clamping ring assembly and bolts from the existing drain, where present, and discard.

Inspect the existing water leader to ensure that there are no elbows or similar such obstructions that would prevent the Sarnadrain with U-Flow® drain stem from being fully inserted. (Where elbow or obstruction exists see guidance below as to how to shorten the stem).

Insert the U-Flow seal into the end of the drain stem and tighten the screws (using the U-Flow screwdriver) enough to secure the seal into position during installation.

Insert the assembled Sarnadrain into existing leader pipe (where present) until the flange lies flush onto the Sika Sarnafil membrane. Tighten the seal compression ring screws, again with U-Flow Screwdriver, until hand tight.

The Sarnadrain with U-Flow flange is fastened with Sarnafasteners into the roof deck, using a minimum of three fasteners evenly positioned around the flange. For roof decks requiring specialty fasteners, a wood nailing shall be installed and fastened first and the drain flange is then fastened into the wood blocking with 1-¼" (31 mm) Sarnafasteners. Sarnadrain with U-Flow is properly installed when no vertical movement results when pressure is placed on the drain unit.

A target panel / flashing of Sika Sarnafil membrane is then hot air welded to the drain flange and the surrounding roof membrane according to Sika Sarnafil’s detail drawing. Ensure that all membrane and flange surfaces are clean prior to welding.

Once welds have cooled, check with a rounded screwdriver blade.
Install the strainer dome onto the retaining clips and insert nylon push-in fasteners into the appropriate height hole in each of the three retaining clips.

HOW TO SHORTEN DRAIN
Ensure that there is at least 4" (100 mm) of clear vertical distance in the existing pipe to allow the drain to be fitted.
Cut the drain stem to the desired length and insert the U-Flow seal.
Note: A minimum of 2-½" (62.5 mm) of drain stem is required to house the seal.
Insert the U-Flow seal into the cut drain stem and tighten screw seals.
Insert fully assembled and seal-fitted drain into the existing water leader and complete the installation as detailed above.

MAINTENANCE
Debris must be removed from the strainer and the seal securement must be periodically checked for tightness by the Owner or the Owner’s designated maintenance representative. Standard maintenance of Sarnafil and Sikaplan systems should include inspections of flashings, drains, and termination sealants at least twice a year and
after each storm.

**AVAILABILITY/WARRANTY**

**Availability**
From Sika Corporation – Roofing Authorized Applicators for use within Sarnafil or Sikaplan systems.

**Warranty**
Upon successful completion of the installed roof by the Sika Authorized Applicator, Sika Corporation will provide a warranty to the Building Owner via the Sika Authorized Applicator

**BASIS OF PRODUCT DATA**
Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

**OTHER RESTRICTIONS**
See Legal Disclaimer.

**ENVIRONMENTAL, HEALTH AND SAFETY**
For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

**LEGAL DISCLAIMER**
- **KEEP CONTAINER TIGHTLY CLOSED**
- **KEEP OUT OF REACH OF CHILDREN**
- **NOT FOR INTERNAL CONSUMPTION**
- **FOR INDUSTRIAL USE ONLY**
- **FOR PROFESSIONAL USE ONLY**

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