

## PRODUCT DATA SHEET

# Sarnadrain with U-Flow®

Heavy-duty aluminum drain with a thermoplastic PVC coated flange

### 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 INFORMATION

<b>Chemical Base</b>	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.			
<b>Packaging</b>	<ul style="list-style-type: none"><li>▪ Packaged individually in a cardboard box</li><li>▪ Available in 3" (75mm), 4" (100mm), 5" (125 mm), and 6" (150 mm) diameters</li></ul>			
<b>Shelf Life</b>	N/A			
<b>Storage Conditions</b>	N/A			
<b>Dimensions</b>	<b>Stem Size</b>	<b>Outside Diameter of pre-expanded seal</b>	<b>Fit into pipe Inside Diameter</b>	<b>Fully expanded</b>
	3" (75 mm)	2.86" (72.6 mm)	2.88" (73.15 mm)	3.40" (86.36 mm)
	4" (100 mm)	3.74" (95 mm)	3.76" (95.5 mm)	4.40" (111.76 mm)
	5" (125 mm)	4.73" (120.14 mm)	4.75" (120.65 mm)	5.40" (137.16 mm)
	6"(150 mm)	5.75" (146.05 mm)	5.77" (146.56 mm)	6.40" (162.56 mm)

## 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.

## 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 in compliance with Sika requirements, Sika Corporation will provide a warranty to the Building Owner via the Sika Authorized Applicator.

## 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.

## 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 nailer shall be installed and fastened first and the drain flange is then fastened into the wood blocking with 1-¼" (31 mm) 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.

## OTHER RESTRICTIONS

See Legal Disclaimer.

## LEGAL DISCLAIMER

### Sika Corporation

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### Product Data Sheet

Sarnadrain with U-Flow®  
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- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at [usa.sika.com](http://usa.sika.com) or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

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