

skywater®



**Draini®  
Range**

→ Bituminous,  
synthetic &  
resin

**SOPREMA  
PATENTED  
SYSTEM**

**RAINWATER**  
MANAGEMENT  
SOLUTIONS

**DRAINI®**



# DRAINI®

**Draini®** is a range of high-performance stormwater run-off solutions designed for flat roofs.



## RAINWATER MANAGEMENT; BOTH A NECESSITY AND AN EVER-PRESENT CHALLENGE

To meet local authority rainwater management targets, **SOPREMA** has developed a comprehensive range to manage roof rainwater: **Skywater®**.



To find out more about **Skywater®** solutions, download the documentation available at [soprema.co.uk](http://soprema.co.uk).



### SPECIFIC DESIGN

- The 600-mm long **Straight BTM** (bitumen) **Draini®** and **Flag** (synthetic) rainwater outlets are specially adapted for very thick insulation.



### EXCEPTIONALLY RELIABLE

- The flanges on the **Draini®** range guarantee an even join with the waterproofing on the field membrane.
- No need to cut the corners on the flange.



### ENVIRONMENTALLY-FRIENDLY

- The **Draini®** range sets itself apart from traditional lead products by its use of substances that are both harmless to humans and to the environment.



### FLEXIBLE AND PLIABLE

- **Draini®** systems are compatible with all types of supports and complex shapes. This is particularly useful when rainwater gutter outlets are difficult to access or awkwardly positioned.



### SOLID

- The machining of the outlet pipe makes **Draini®** systems highly shock-resistant.



### SAFE

- The tightness of the crimping on each **Draini®** product is vacuum tested.
- An indelible sticker on the pipe ensures product traceability.

## DRAINI®, A COMPREHENSIVE RANGE

FOR ALL TYPES OF WATERPROOFING: BITUMINOUS, SYNTHETIC AND RESIN

### SOPREMA PATENTED SYSTEM

→ REDUCED collar width



Save time on your construction site with **Draini®** stormwater run-offs.

No need for cold-applied primers.

Guaranteed quality on your construction sites.

**Draini®**: a perfect seal, high shock-resistance with no risk of deformation.

# DRAINI®, A COMPREHENSIVE RANGE



Standard 600 mm length for straight BTM (bitumen) and **Flag** (synthetic) stormwater run-offs\*



**Draini® Straight BTM Alu**  
 Ø → 50, 63, 75, 85, 90, 95, 100, 110, 115, 120, 125, 145, 155, 195

Variable lengths depending on the size of the conical outlet pipe



**Draini® Conical BTM Alu**  
 Ø → 80/160, 95/190, 120/240, 145/290, 195/390

\*Custom-designed lengths of 400 to 800 mm possible depending on volume requirements.



**Draini® Straight TPO Alu Flag & Draini® Straight PVC Alu Flag**  
 Ø → 63, 85, 95, 120, 145, 155, 195



**Draini® Conical TPO Alu Flag & Draini® Conical PVC Alu Flag**  
 Ø → 80/160, 95/190, 120/240, 145/290, 195/390



Standard 400 mm length\*



**Draini® Alsan®**  
 Ø → 50, 63, 75, 95

## SOLUTIONS AND PRODUCTS FOR TEMPORARY WATER RETENTION ON FLAT ROOFS

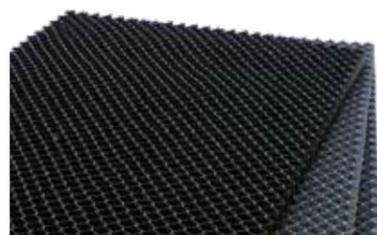


Soprema **SOLUTIONS** for managing rainwater on roofs: retention, storage and delayed drainage.

→ Download the **Skywater®** documentation available at [soprema.co.uk](http://soprema.co.uk).

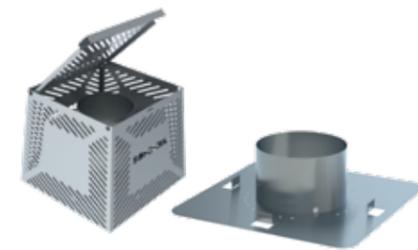


**Retentio®**, temporary rainwater retention system



**Retentio®** is a comprehensive procedure for the temporary storage of roof rainwater. Water on horizontal flat roofs fitted with the **Retentio®** system, is collected and regulated in an optimum manner.

**Slowli®**, continuous and regulated water drainage



**Slowli®** is a roof water flow limiting device designed to regulate water flow upstream of sewerage systems. It can function independently or in conjunction with other products from the SOPREMA **Skywater®** range. The **Slowli®** system limits any blockage of sewerage systems when there is heavy rainfall.

## BITUMINOUS WATERPROOFING\*

Example of installation on a load-bearing masonry structure with SOPREMA **double-layer elastomeric self-protecting SBS waterproofing membrane**.

- 1- Primer
- 2- Vapour barrier
- 3- Adhesive
- 4- **Efigreen® Alu +** insulation
- 5- Area cut out of insulation
- 6- 1<sup>st</sup> layer of SOPREMA **waterproofing membrane**
- 7- The **Draini® BTM Alu** flange is welded onto the first waterproofing layer.
- 8- 2<sup>nd</sup> layer of SOPREMA **waterproofing membrane**



### Tools required

- Gauging trowel
- Welding torch
- Stick for roofing technicians
- Safety gloves
- Safety goggles

## INSTALLATION\*



**1-** Insert the **Draini®** stormwater run-off into the drain pipe after applying the 1<sup>st</sup> layer of the waterproofing system.



**2-** Fold the flange over.



**3-** Weld the flange onto the 1<sup>st</sup> waterproofing layer.



**4-** Use the gauging trowel to consolidate the weld seams of the flange with the 1<sup>st</sup> waterproofing layer.



**5-** Apply the second waterproofing layer by thermo-welding whilst completely covering the **Draini®** gutter outlet.



**6-** Allow the waterproofing layer to cool down for a few minutes and then carefully cut out the hole for the stormwater run-off using the gauging trowel.

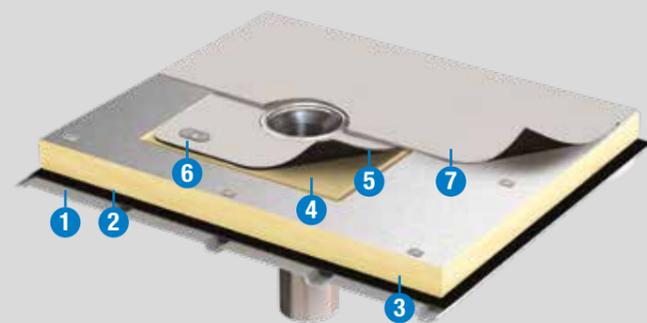
\*For other scenarios: please refer to the technical documentation available at [www.soprema.co.uk](http://www.soprema.co.uk)

\*\* In this example, **Straight BTM Alu Draini®**.

## SYNTHETIC WATERPROOFING\*

### Example of a non fleeced membrane

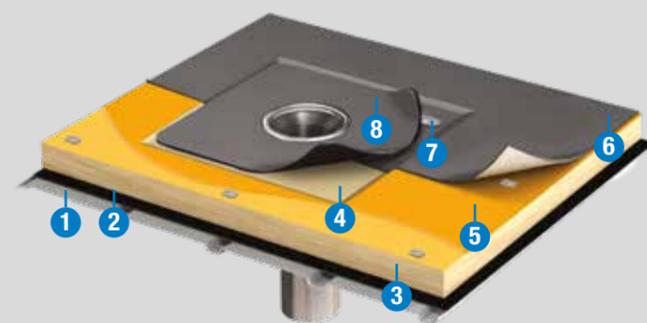
For a non fleeced membrane, the waterproofing layer of the membrane is welded onto the **Draini® Flag TPO Alu** or **Draini® Flag PVC Alu** flange.



- 1- Load-bearing structure
- 2- Vapour barrier (if required)
- 3- Insulation fixed mechanically
- 4- Area cut out of the insulation
- 5- **Draini® Flag TPO Alu** or **Draini® Flag PVC Alu** fixed onto the insulation mechanically
- 6- Mechanical fastenings (x4) of the **Draini® Flag TPO Alu** or **Draini® Flag PVC Alu** flange
- 7- Waterproofing layer of the field membrane:
  - in **TPO: Flagon® EP/PR** or **EP/PV**
  - in **PVC: Flagon® SV** or **SR**

### Example of a membrane with a fleeced underside

In the case of a fleeced membrane, the **Draini® Flag TPO Alu** or **Draini® Flag PVC Alu** gutter outlet is welded onto the waterproofing.



- 1- Load-bearing structure
- 2- Vapour-barrier (if required)
- 3- Insulation is mechanically fixed or bonded, depending on the coating
- 4- Area cut out of the insulation
- 5- **Flexocol W/LV** depending on the coating
- 6- Waterproofing layer of the field membrane:
  - in **TPO: Flagon® EP/PV-F** or **EP/PR-F**
  - in **PVC: Flagon® SFC** or **Flagon® SRF**
- 7- Mechanical fastenings (x4) of the membrane as close as possible to the drain pipe
- 8- **Draini® Flag TPO Alu** or **Draini® Flag PVC Alu** welded onto the felted membrane of the field membrane

## INSTALLATION\*



1- Cut out an area in the insulation.



2- Insert **Draini® Flag** into the drain pipe after laying the waterproofing layer, only for fleeced membranes.



3- Mechanically attach the **Draini® Flag** flange. One fastening on each corner.



4- Thermal weld



4- Check the welding using a **Flag Welding Tester**.



- Tools required**
- **Leister** (welding tool for plastic materials),
  - Roller
  - Flag Welding Tester
  - Safety gloves
  - Safety goggles

\*For other scenarios: please refer to the technical documentation available at [www.soprema.co.uk](http://www.soprema.co.uk)

## LIQUID WATERPROOFING\*

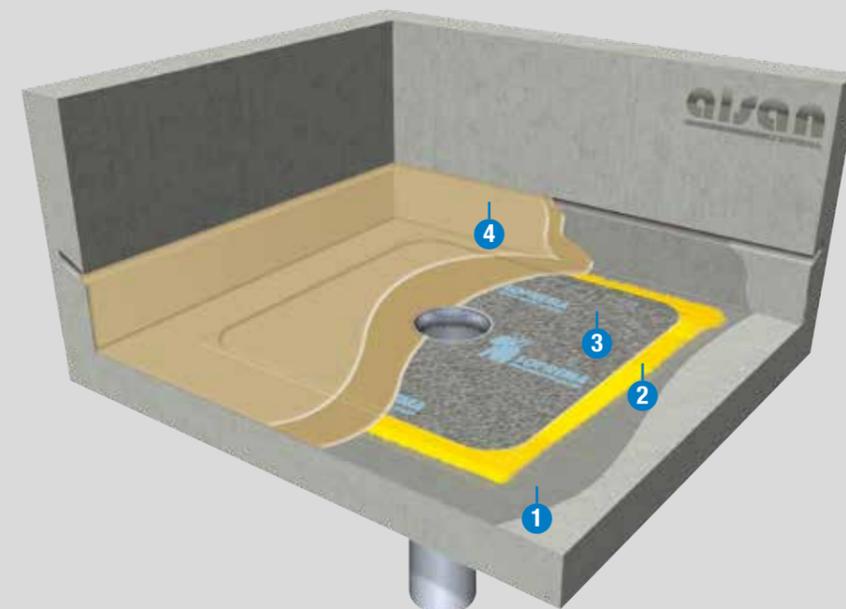
Example of installation on a load-bearing masonry structure using a liquid waterproofing system.

- 1- Primer (depending on the waterproofing system)
- 2- Adhesive depending on the PU or PMMA system
- 3- **Draini® Alsan®**
- 4- **Alsan®** waterproofing system



### Tools required

- Paint brush
- Roller brush
- Filling knife
- Safety gloves
- Safety goggles



## INSTALLATION\*



1- Cut out an area 35 cm x 35 cm, then cut a chamfered edge at the outlet point.



2- Prime the whole surface area of the substrate according to the waterproofing system specifications.



3- Once dry, apply a layer of **Alsan PMMA** or **PU primer** for the surface. Then **Alsan PMMA 770TX** or **Alsan 601 PU coating**



4- Insert the **Draini Alsan®** pipe into its groove.



5- Smooth out the material.



6- Apply the **Alsan®** waterproofing system as far as the opening.

\*For other scenarios: please refer to the technical documentation available at [www.soprema.co.uk](http://www.soprema.co.uk)

**SOPREMA** at your service:

Do you have a question about a specific project, the products or application possibilities? Then contact our technical team.

All information can be found on:  
**[www.soprema.co.uk](http://www.soprema.co.uk)**

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