

# PRODUCT DATA SHEET

## G459 FLASHING MEMBRANE

G459 Flashing Membrane can be adhered directly to asphalt or other contaminated surfaces. It is formulated for direct exposure to the weather, is heat-weldable and produced with an integral fiberglass mat reinforcement for dimensional stability. G459 Flashing Membrane is used to flash roof penetrations within Sarnafil® and Sikaplan® roofing and waterproofing flashing details.

### PRODUCT INFORMATION

#### USES

For Sarnafil and Sikaplan roofing and waterproofing flashing details where contaminated surfaces may be present.

#### AREAS OF APPLICATION

- Flashing pipes
- Inside/outside corners
- Parapet walls

#### FEATURES / BENEFITS

- Back side resistant to asphalt
- Glass reinforced for dimensional stability and durability
- Lacquer coated top surface to reduce dirt pick up
- Convenient pre-cut rolls

#### CODES / APPROVALS

- Underwriters Laboratories
- Underwriters Laboratories of Canada
- FM Global
- Miami-Dade County
- Florida Building Code

### PRODUCT DATA

#### FORM

#### COMPOSITION

G459 Flashing Membrane is a 60 mil high-quality product containing PVC resin, pigments, stabilizers, ultraviolet absorbers, and a fiberglass carrier sheet. The standard color is white on tan. The tan side of the membrane must be the side exposed to the contamination.

#### COLORS

Top Side: White

Bottom Side: Tan

#### PACKAGING

6.5 ft x 65 ft (2 m x 20 m) roll, 163 lbs (74 kg) per roll, 19 rolls per pallet

3.25 ft x 65 ft (1 m x 20 m) roll, 81 lbs (37 kg) per roll, 40 rolls per pallet

**TECHNICAL DATA****TYPICAL PHYSICAL PROPERTIES\***

| Properties   | ASTM Test Method | Typical Results |
|--|------------------|-----------------|
| Overall Thickness, mil   | D751             | 60              |
| Reinforcing Material   | --               | Fiberglass      |
| Weight, lb/ft <sup>2</sup> (kg/m <sup>2</sup> )                | --               | 0.39 (1.93)     |
| Breaking Strength, lbf/in (N)                                  | D751             | 80 (356)        |
| Elongation at Break, % M.D. <sup>1</sup> & C.M.D. <sup>1</sup> | D751             | 270 & 250       |
| Seam Strength, % of original <sup>2</sup>                      | D751             | 80              |
| Retention of Properties After Heat Aging                       | D3045            | --              |
| Tensile Strength, % of original                                | D751             | 95              |
| Elongation, % of original                                      | D751             | 90              |
| Tearing Resistance, lbf (N)                                    | D1004            | 14 (63)         |
| Low Temperature Bend, -40°F (-40°C)                            | D2136            | Pass            |
| Accelerated Weathering Test (Florescent Light, UV exposure)    | G154             | Pass            |
| Cracking (7x magnification)                                    | --               | None            |
| Discoloration (by observation)                                 | --               | Negligible      |
| Crazing (7x magnification)                                     | --               | None            |
| Linear Dimensional Change, %                                   | D1204            | 0.02            |
| Weight Change After Immersion in Water, %                      | D570             | 2.5             |
| Static Puncture Resistance                                     | D5602            | Pass            |
| Dynamic Puncture Resistance                                    | D5635            | Pass            |

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

<sup>1</sup> M.D. = Machine Direction, C.M.D. = Cross Machine Direction

<sup>2</sup> Failure occurs through membrane rupture not seam failure.

**STORAGE****STORAGE CONDITIONS**

Store rolls on pallets and fully protected from the weather with clean canvas tarpaulins. Unvented polyethylene tarpaulins are not accepted due to the accumulation of moisture beneath the tarpaulin in certain weather conditions that may affect the ease of membrane weldability.

**SYSTEM INFORMATION****APPLICATION INSTRUCTIONS**

G459 Flashing Membrane is installed on walls, curbs and other penetrations using Sika adhesives. The seams are heat welded together by trained operators using hot-air welding equipment.

**AVAILABILITY**

From Sika Authorized Applicators when used within Sarnafil or Sikaplan roofing systems.

**MAINTENANCE**

Standard maintenance of roofs should include regular inspection of flashings, drains and termination sealants at least twice a year and after each storm.

**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.

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**LEGAL NOTES**

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