



## Product Data Sheet

REV 99  
Page: 1 of 2

# Green Roof VARZFLEX® 4S/F

**Description** Varziran waterproofing membrane, **Green Roof Varzflex® 4S/F** consists of a polyester felt impregnated and covered on both sides with SBS (Styrene-Butadiene-Styrene) modified bitumen with anti root material. Top surface is finished with sand and the bottom covered with PP (Polypropylene) or PE (Polyethylene) film, which in turn prevents the membrane from unwanted sticking during transportation and storage.

**Advantages** The excellent elastic properties of **Green Roof Varzflex® 4S/F** makes this product suitable especially for places with cold winter or where underlay movement may occur. Outstanding durability, tensile strength and resistance to impact are the other advantages of this product.

**General Usage**

- Green Roof
- Roof Garden
- Flower Box

## General information

**Color** Black

**Bitumen Type** SBS-modified bitumen

**Reinforcement** Polyester 230 gr/m<sup>2</sup>

**Roll length** 10 m

**Roll width** 1 m

**Packaging** 20 Shrunken rolls in vertical position on 110 × 110 × 11 cm wooden pallets. Whole pallet is Wrapped with wrapping film.

**Storage** In vertical position, in sheltered and dry places

## Application

**Application methods** Can be applied by torch. Application details are described in the Varziran application handbook.

**Surface preparation** All surfaces must be clean, dry and free from dust and loose particles.

**Priming** **Varzfluid® WA/2** is used. Drying time of the primer is between 12 to 24 hours depending on the environment temperature.

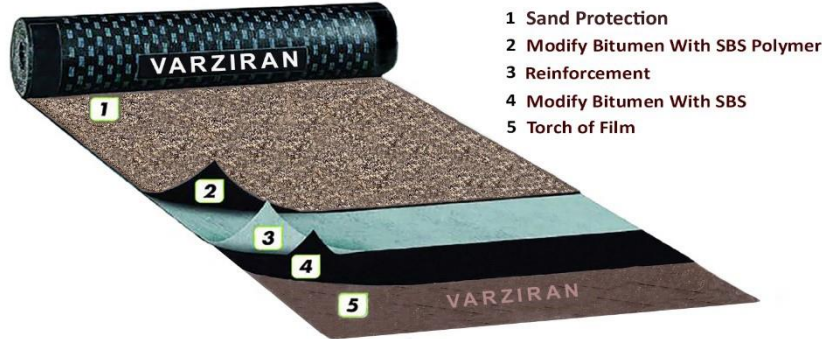
**Heating** A torch, connected to a gas cylinder, which provides enough heat to bond the membrane to the surface.



## Product Data Sheet

REV 99  
Page: 1 of 2

# Green Roof VARZFLEX® 4S/F



- 1 Sand Protection
- 2 Modify Bitumen With SBS Polymer
- 3 Reinforcement
- 4 Modify Bitumen With SBS
- 5 Torch of Film

### Technical Data

Properties	Unit	Test Method	Value	Tolerance	
Weight (min)	Kg./m <sup>2</sup>	EN 1849-1	4.5	± 0.2	
Thickness (min)	mm.	EN 1849-1	4	± 0.2	
Width	cm.	EN 1849-1	100	± 0.1	
Length	m.	EN 1849-1	10	± 0.1	
Straightness	mm.	EN 1849-1	pass		
Elongation (min)					
	LN.	%	EN 12311-1	50	± 5
	TR.			60	± 5
Tensile Strength at maximum force (min)					
	LN.	N/5cm.	EN 12311-1	800	± 100
	TR.			650	± 100
Tear Strength (min)					
	LN.	N	EN 12310-1	300	± 50
	TR.			250	± 50
Cold Bending Test (max)	°c	EN 1109	- 25	± 2	
Thermal Stability (min)	°c	EN 1110-1	110	± 2	
Water Absorption (max)	visual	EN 1928	pass		