



Product Data Sheet

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VARZFLEX® 4S/F

Description

Varziran waterproofing membrane, **Varzflex® 4S/F** consists of a polyester felt impregnated and covered on both sides with SBS (Styrene-Butadiene-Styrene) modified bitumen. 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 **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

- Roofs and terraces as underneath layer of mosaic, cement, tile, etc.
- Bathrooms and kitchen floors
- Pools and water reservoirs
- Balconies
- Multi-story parking decks and similar structures
- Tunnels and earth shelters

General information

Color Black

Bitumen Type SBS-modified bitumen

Reinforcement Polyester 230 gr/m²

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.

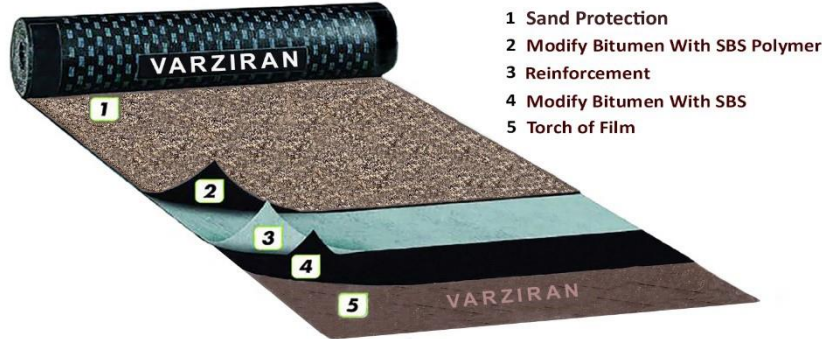
Heating A torch, connected to a gas cylinder, which provides enough heat to bond the membrane to the surface.



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- 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 ²	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.	EN 12311-1	800	± 100
	TR.		650	± 100
Tear Strength (min)	LN.	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	