



Product Data Sheet

REV 98
Page:1 of 2

VARZFLEX® 5S/F

Description

Varziran waterproofing membrane, **Varzflex® 5S/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® 5S/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/m ²
Roll length	8 m
Roll width	1 m
Packaging	20 Shrunk 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 98
Page: 2 of 2

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General Usage	<ul style="list-style-type: none">-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/m ²
Roll length	10 m
Roll width	1 m
Packaging	20 Shrunk rolls in vertical position on 110 × 110 × 11 cm wooden pallets. Whole pallet is Wrapped with wrapping film.
Storage Application	In vertical position, in sheltered and dry places
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.
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Product Data Sheet

REV 98
Page: 3 of 2

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Technical Data

Properties	Unit	Procedure	Requirement	Measured	
Weight (min)	Kg./m ²	EN 1849-1	3.2	4.5	
Thickness (min)	mm.	EN 1849-1	3	4	
Width	m.	INSO 20187-1	1± 0/01	1	
Length	m.	INSO 20187-1	10 ±1%	10	
Straightness	mm.	INSO 20187-1	20	11	
Elongation (min)	LN. TR.	%	INSO 20182-1	25	45
				25	60
Tensile strength at maximum force	LN. TR.	kg/5cm.	INSO 20182-1	40	80
				30	65
Tear strength (min)	LN. TR.	Kgf	INSO 20180-1	12	25
				10	25
Cold bending test (max)	°c	INSO 20184	- 15	- 25	
Thermal stability (min)	°c	INSO 20181	80	110	
Dimensional heat stability	LN. TR.	%	INSO 20791-1	± 0.2	± 0/17 LR
				± 0.2	± 0/16 TR
Watertightness	kpa	INSO 20790	10	30	