VARZFLEX® 4F/F

Description	Varziran waterproofing membrane, **Varzflex® 4F/F** consists of a polyester felt impregnated and covered on both sides with SBS (Styrene-Butadiene-Styrene) modified bitumen. Top surface 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® 4F/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	-Lower layer where the double-layer implemented -Pools and water reservoirs -Water Canals -Tunnels and earth shelters

General information

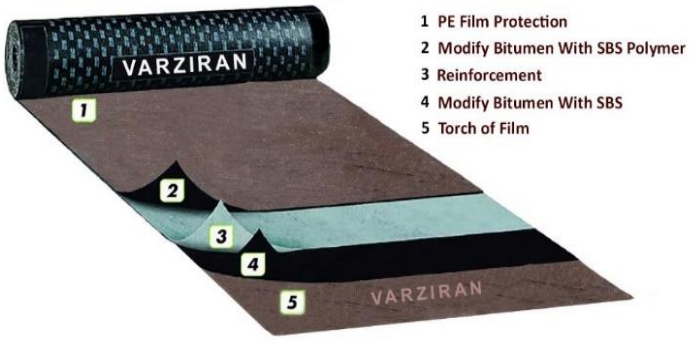
Color	Black
Bitumen Type	SBS-modified bitumen
Reinforcement	Polyester 230 gr/m^2
Roll length	10 m
Roll width	1 m
Packaging	20 Shrunk rolls in vertical position on 110 × 110 × 11 cm wooden pallets. Whole pallet is Wrapped with wrapping film.
Storage	In vertical position, in sheltered and dry places

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

VARZFLEX® 4F/F



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. TR.	%	EN 12311-1	 50 60	 ± 5 ± 5
Tensile Strength at maximum force (min) LN. TR.	N/5cm.	EN 12311-1	 800 650	 ± 100 ± 100
Tear Strength (min) LN. TR.	N	EN 12310-1	 300 250	 ± 50 ± 50
Cold Bending Test (max)	ºc	EN 1109	- 25	± 2
Thermal Stability (min)	ºc	EN 1110-1	110	± 2
Water Absorption (max)	visual	EN 1928	pass	