



VARZPLAST® F/F (Bronze)

Description

Varziran waterproofing membrane, **Varzplast® F/F (Bronze)** consists of polyester felt impregnated and covered on both sides with APP (Atactic-Poly-Propylene) modified bitumen. Top surface and the bottom covered with PP (Polypropylene) or PE (Polyethylene) film, in order to prevent the membrane from unwanted sticking during transportation and storage.

Advantages

The excellent properties of **Varzplast® F/F (Bronze)** makes this product suitable especially for places with moderate temperature. 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

APP modified bitumen

Reinforcement

Tow Layer Fiber Glass & Polyester

Roll length

10 m

Roll width

1 m

Packaging

20 Shrunken rolls in vertical position on 100 × 120 × 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

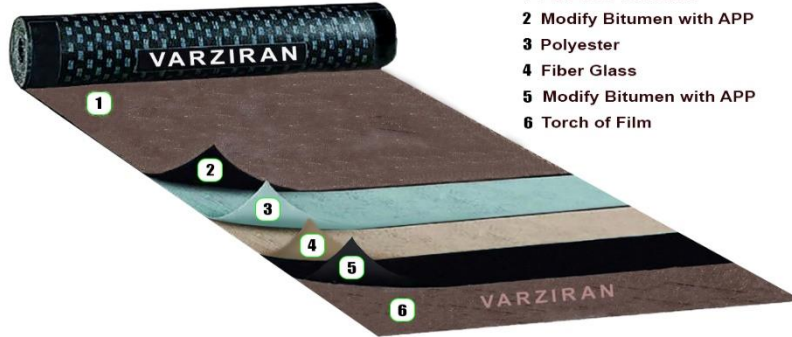
A torch, connected to a gas cylinder, which provides enough heat to bond the membrane to the surface.



Product Data Sheet

REV 99
Page: 1 of 2

VARZPLAST® F/F (Bronze)



- 1 PE Film Protection
- 2 Modify Bitumen with APP
- 3 Polyester
- 4 Fiber Glass
- 5 Modify Bitumen with APP
- 6 Torch of Film

Technical Data

Properties	Unit	Test Method	Value	Tolerance
Weight (min)	Kg./m ²	EN 1849-1	4.0	± 0.2
Thickness (min)	mm.	EN 1849-1	3.5	± 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	25	± 5
	TR.		25	± 5
Tensile Strength at maximum force (min)	LN.	EN 12311-1	400	± 100
	TR.		300	± 100
Tear Strength (min)	LN.	EN 12310-1	120	± 50
	TR.		120	± 50
Cold Bending Test (max)	°c	EN 1109	0	± 2
Thermal Stability (min)	°c	EN 1110-1	130	± 2
Water Absorption (max)	visual	EN 1928	pass	