

# DanaPlast



## Bituminous Waterproofing Membranes

### APP Modified Bitumen Membrane

#### Introduction

**DanaPlast** is a superior, high performance waterproofing membrane, formulated with bitumen, modified with APP for greater elasticity, flexibility, and further enhanced with a blend of Polypropylene (PP) for high heat resistance (up to 120 degrees), greater elongation and low temperature flexibility (up to -5 degrees). Hence, it is the cause of optimum adhesion and flexibility of modified bitumen.

The existence of different types of reinforcing layers, increase tenacity and dimensional stability against fatigue and rupture forces.

DanaPlast has been certified by ISIRI with the national number of 3885-1 in "prefabricated waterproofing membranes with modified polymer plastic (BPP)" category, and is granted for manufacturing and marketing of the product.

#### Reinforcement

- Single Layer: Polyester, Compound Base, Glass Fibre
- Double Layer: Glass Fibre reinforced Polyester.

**DanaPlast** is produced in different kinds of reinforcements and thicknesses based on your requirements.

#### General Data

- Nominal Roll Length: 10m
- Nominal Roll Width: 1m
- Nominal Thickness: 2-5

#### Top Surface (Upper-face protections)

- Natural Slate Flake
- Silica Sand
- Embossed Aluminum Foil
- PE Film

**Application method:** Gas Torch



WATERPROOFING SOLUTIONS



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### Application Fields

DanaShield membranes may be used for a wide range of waterproofing applications including roofs, terraces, reservoirs, basement walls, tunnels and car parks.

DanaPlast APP Modified Bitumen Membrane						
SPECIFICATION		RESULT			TEST METHOD	
		Compound Base	Fiberglass + Polyester	Polyester Mat		
1	Elongation (%)	Long.	5	20	ISIRI 3882	
		Trans.	5	20		
2	Tensile Strength(N/5cm)	Long.	500.00	400.00	ISIRI 3882	
		Trans.	300.00	200.00		
3	Tear Strength (N)	Long.	80.00	100.00	ISIRI 3863 Method B	
		Trans.	50.00	100.00		
4	Water Absorption (%)	0.50			ISIRI 3879	
5	Flexibility At Low Temperature	-5			ISIRI 3881	
6	Heat Resistance (°C)	≥120			ISIRI 3862	
7	Water Permeability (kpa)	60			ISIRI 3861	
8	Thickness (mm)	2 – 5			ISIRI 3878	
9	Roll Width (cm)	100			ISIRI 3878	

### Outstanding Features

- Applicable on all sloping surfaces: on flat, vertical and curved surfaces.
- Excellent product for all weather conditions.
- Lightweight: prevents any excessive weight on the roof or the building structure.
- Good resistance to fatigue and tear.
- Longer lasting product (up to fifteen years for exposed applications).



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