

DanaShield



DANAGUM
BITUMINOUS WATERPROOFING MEMBRANCES



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Bituminous Waterproofing Membranes

Introduction

DanaShield proprietary waterproofing compound is formulated with Oxidised bitumen and Polymer modified bitumen.

Polymer supplements such as PP with oxidised bitumen result in performance improvement, heat resistant (up to 120° c) and low temperature flexibility (up to 0°).

DanaShield is a product of DanaGum's R&D lab with excessive research on various compounds, to innovate a new product for for all applications, same time to open a new and competitive price range within the market.

DanaShield is certified by ISIRI institution, type modified bitumen membranes with Plastic Polymer (BPP) for use in various temperatures.

Reinforcement

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

DanaShield 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



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Application Fields

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

DanaShield APP modified Bitumen Membrane						
SPECIFICATION			RESULT			TEST METHOD
			Compound Base	Fiberglass + Polyester	Polyester Mat	
1	Elongation (%)	Long.	5	20	30	ISIRI 3882
		Trans.	5	20	30	
2	Tensile Strength(N/5cm)	Long.	500.00	400.00	500.00	ISIRI 3882
		Trans.	300.00	200.00	400.00	
3	Tear Strength (N)	Long.	80.00	100.00	150.00	ISIRI 3863 Method B
		Trans.	50.00	100.00	130.00	
4	Water Absorption (%)		0.50			ISIRI 3879
5	Flexibility At Low Temperature		0			ISIRI 3881
6	Heat Resistance (°C)		≥110			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 variety of surfaces (concrete, old bituminous coatings etc.)
- Longer lasting.
- Excellent resistance to fatigue and tear.
- Outstanding bondability and seam integrity.
- Due to the reinforcing substances such as fiberglass and polyester would result in, increase of tenacity and excellent dimensional stability against fatigue and rupture forces.
- Excellent cost performance ratio.



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