

THE GLOBAL CHAMPION OF BITUMINOUS MEMBRANES FOR ROOFING AND WATERPROOFING APPLICATIONS

Once applied, Sika's bituminous membranes are a thin layer of watertight material fully-bonded to the surface. It is a flexible system, able to maintain its waterproof capacity without causing cracks.

Main Characteristics

- Resistant to the most extreme weather conditions
- Ease of maintenance
- Excellent mechanical properties
- High resistance to mechanical damage and punctures

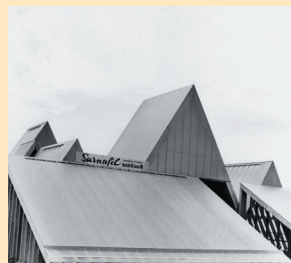


TYPICAL APPLICATION FIELDS

For Bitumen Roofs:



Flat Roofs



Pitched Roofs



Terraces



Green Roofs



Roof Renovation



Gravel Ballasted Roofs

For Bitumen Waterproofing:



Basements



Podiums



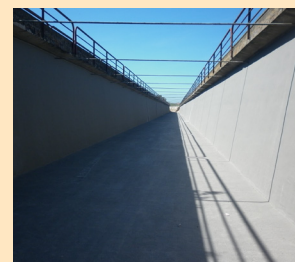
Below-Grade Structures



Tank Lining



Bridges

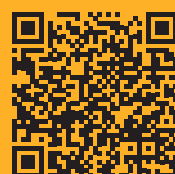
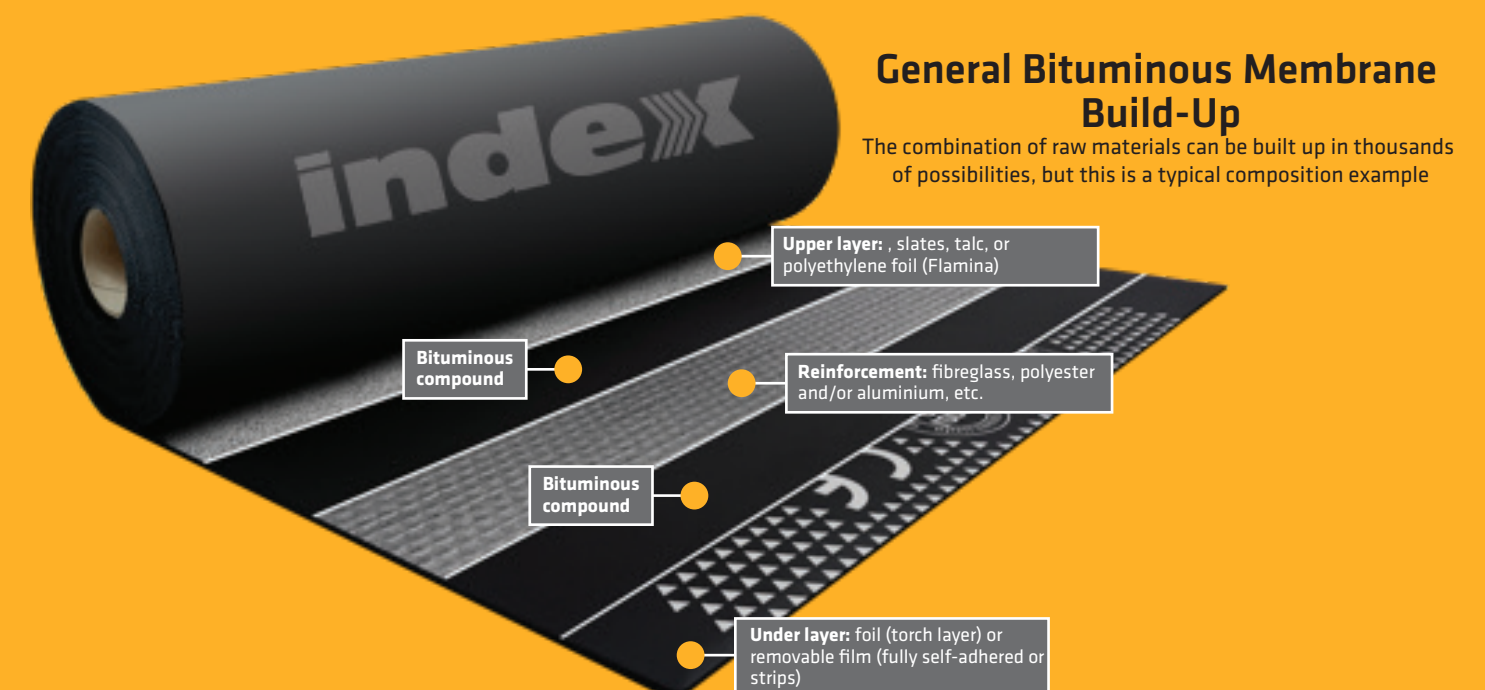


Culverts



THE GLOBAL CHAMPION OF BITUMINOUS MEMBRANES FOR ROOFING AND WATERPROOFING APPLICATIONS

Index Bituminous Membranes are widely used in construction to waterproof roofs, green roofs, terraces, basements, below-ground structures, bridges and other structures. Index's Bituminous Membranes are applied by heat fusion and provide a fully-bonded watertight surface.



Call us for more info: 031 792 6500
www.sika.co.za

BUILDING TRUST



BUILDING TRUST



INDEX COMPARISON TABLE

	HELASTA		TESTUDO SPUNBOND 20		FIDIA P*		DEFEND ANTIROOT 10	TOPGUM BIARMATO*		VIS P*	
Uses	Car park, roofings with under cope in reinforced concrete, waterworks, tunnels, underground passages.		Bridges & car parks, sloping, flat, vertical and curved surfaces, reinforced & prefabricated concrete, masonry cement, metal, timber decks & terraces. Roofing with/ without thermal insulation & renovation work.		Sloping, flat, vertical and curved surfaces, site-cast or prefabricated concrete substrates, basement tanks, foundations.		For roof gardens and planter boxes, sunken works, gravel covered roofs	Sloping, flat, vertical and curved surfaces, reinforced & prefabricated concrete, masonry cement, metal, timber decks & terraces.		Sloping, flat, vertical and curved surfaces, site-cast or prefabricated concrete substrates, basement tanks, foundations.	
Reinforcement	Non-woven composite polyester stabilised with fibreglass		Non-woven Spunbond Polyester		Polyester		Non-woven Spunbond polyester fabric stabilised with fibreglass	Non-woven composite polyester stabilised with fibreglass		Non-woven composite polyester stabilised with fibreglass	
Thickness	4 mm	5 mm	4 mm	5 mm	4mm	5mm	4 mm	3 mm	4 mm	3 mm	4 mm
Roll size	1x10 m	1x10m	1x10 m	1x10m	1x10 m	1x10 m	1x10 m	1x10 m	1x10m	1x10 m	1x10 m
Watertightness	60 kPa		60 kPa		60 kPa		60 kPa	60 kPa		60 kPa	
Peel resistance			50 N/50 mm								
Shear resistance L/T	800/600 N/50 mm		750/600 N/50 mm		350/300 N/50 mm		350/250 N/50 mm			350/250 N/50 mm	
Maximum tensile force L/T • after ageing	850/700 N/50 mm		850/700 N/50 mm		450/400 N/50 mm		400/300 N 50 mm	450/400 N/50 mm		400/300 N/50 mm	
Elongation • after ageing	50/50%		50/50%		40/40%		40/40%	50/50%		35/40%	
Resistance to impact	1 250 mm		1 250 mm		1 000 mm		1 250 mm			700 mm	
Resistance to static loading	20 kg		20 kg 20 kg		10 kg		15 kg 20 kg			10 kg	
Resistance to tearing (nail shank) L/T	200/200 N		200/200 N		150/150 N			170/180 N		140/140 N	
Dimensional stability L/T	-0.30/+0.30%		-0.5/-0.3%		-0.25/+0.10%		-0.30/+0.10%				
Flexibility to low temp. • after ageing	-25°C -25°C		-15°C -5°C		-10°C		-10°C	0°C		0°C	
Flow resist. at high temp. • after ageing	100°C 90°C		120°C 110°C		110°C 100°C		120°C	110°C 100°C		110°C 100°C	
UV Ageing			Test passed		Test passed			Test passed			
Resistance to root							Test passed				
Reaction to fire Euroclass	E		E		E		E	E		E	
External fire performance	F roof		F roof		F roof		F roof	F roof		F roof	

THERMAL SPECIFICATIONS

Thermal conductivity	0.2 W/mK	0.2 W/mK	0.2 W/mK	0.2 W/mK	0.2 W/mK	0.2 W/mK	0.2 W/mK	0.2 W/mK	0.2 W/mK	0.2 W/mK	0.2 W/mK
Heat capacity	5.20 KJ/K·m²	6.50 KJ/K·m²	5.20 KJ/K	6.50 KJ/K	5.20 KJ/K	6.50 KJ/K	5.20 KJ/K	3.90 KJ/K	5.20 KJ/K	3.90 KJ/K	5.20 KJ/K

* Also available in Mineral

