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, base-ment 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, base-ment 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	4 mm	5 mm	4 mm	3 mm	4 mm	3 mm	4 mm
Roll size	1x10 m	1x10 m	1x10 m	1x10 m	1x10 m	1x10 m	1x10 m	1x10 m	1x10 m	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**