

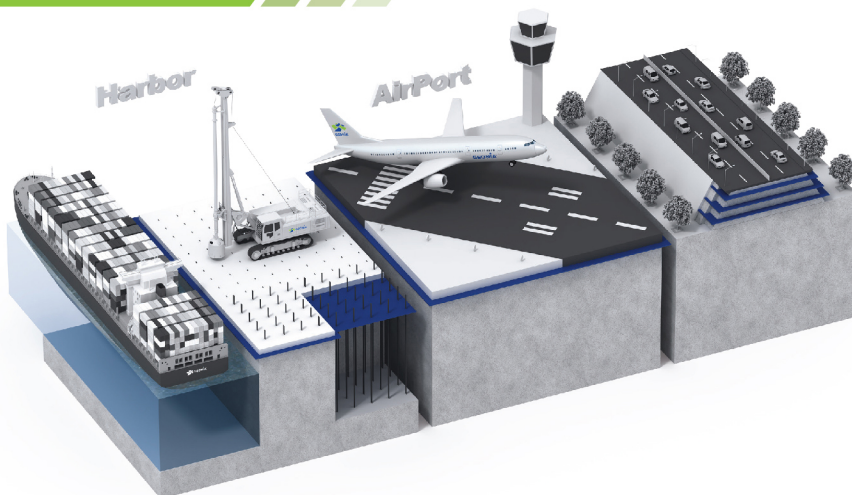
SKYTECH WOVEN GEOTEXTILES

Skytech Woven Geotextiles are made of high tenacity polyester multifilament yarn in two main categories DM and DML.

DML is an uniaxial series of Skytech Geotextile which improve soil characteristics in single direction. Mainly used for subgrade stabilization of roads, embankments, and railway construction projects. Geotextiles of DML series perfectly improve the shear strength of the soil by enhancing the resistance to potential bearing failure.

DM is a biaxial series of Skytech Geotextiles which improve soil characteristics in both directions and mainly used for industrial development and airport projects.

APPLICATIONS & PROPERTIES



Properties	Unit	Test method	DM Series (Biaxial Product)							
			DM5	DM10	DM15	DM20	DM30	DM40	DM50	
Mechanical Properties(MARV*)										
Tensile Strength at break MD*	kN/m	ISO 10319	≥	50	100	150	200	300	400	500
Tensile Strength at break CD*	kN/m	ISO 10319	≥	50	100	150	200	300	400	500
Tensile Elongation at break MD	%	ISO 10319	-	10 ± 2				10 ± 3		
Tensile Elongation at break CD	%	ISO 10319	-							
Tensile Strength @2% strain MD	kN/m	ISO 10319	≥	10	15	20	30	40	50	80
Tensile Strength @2% strain CD	kN/m	ISO 10319	≥	10	20	30	40	50	100	120
Tensile Strength @5% strain MD	kN/m	ISO 10319	≥	30	40	70	100	120	130	150
Tensile Strength @5% strain CD	kN/m	ISO 10319	≥	30	50	80	90	110	190	230
Cone drop penetration	mm	ISO 13433	≤	22	14	15	13	provided individually based on request		
Puncture Resistance Strength CBR	N	ISO 12236	≥	3500	8000	11000	13000			
Packing (Standard export packing)										
Roll Width	m			5.40	5.40	5.40	5.40	5.40	5.40	5.40
Roll Length	m			200	100	100	100	100	100	100
Roll Weight	kg			200	190	278	360	509	683	854
40ft Container	m			92,880	59,440	40,500	31,320	22,140	16,200	12,960

APPLICATIONS	
Uniaxial	Biaxial
Retaining Wall	Soft Soil Ground
Road	Road
Railway	Harbor
Embankment	Industrial Area

Properties		Unit	Test method	DML Series (Uniaxial Product)										
				DML 10	DML 15	DML20	DML25	DML30	DML40	DML50	DML60	DML 70	DML80	DML 100
Mechanical Properties(MARV*)														
Tensile Strength at break MD*	kN/m	ISO 10319	≥	100	150	200	250	300	400	500	600	700	800	1000
Tensile Strength at break CD*	kN/m	ISO 10319	≥	50	50	50	50	50	50	50	50	50	50	50
Tensile Elongation at break MD	%	ISO 10319	-	10 ± 2										
Tensile Elongation at break CD	%	ISO 10319	-											
Tensile Strength @2% strain MD	kN/m	ISO 10319	≥	20	30	40	50	60	80	90	100	120	200	230
Tensile Strength @2% strain CD	kN/m	ISO 10319	≥	10	10	10	10	10	10	10	10	10	10	10
Tensile Strength @5% strain MD	kN/m	ISO 10319	≥	50	80	100	120	130	150	180	200	260	400	450
Tensile Strength @5% strain CD	kN/m	ISO 10319	≥	25	25	25	25	25	25	25	25	25	25	25
Cone drop penetration	mm	ISO 13433	≤	23	20	18	18	19	18	provided individually based on request				
Puncture Resistance Strength CBR	N	ISO 12236	≥	6000	7000	8000	8000	9000	10000					
Packing (Standard export packing)														
Roll Width	m			5.40	5.40	5.40	5.40	5.38	5.30	5.30	5.30	5.30	5.20	5.20
Roll Length	m			200	200	200	200	200	100	100	100	100	100	100
Roll Weight	kg			274	361	436	492	586	390	497	570	717	771	926
40ft Container	m³			82,080	62,640	51,840	45,360	37,660	28,090	22,260	19,080	15,370	14,040	11,440

* MARV: Minimum Average Roll Values are based on a 95% confidence level. * MD: Machine Direction. * CD: Cross machine Direction.

The technical data above are provided for reference only. And may change due to our continuous product development process. Please contact us for updated information.