



Stabilenka® 100/50

Data Sheet

Earthworks and Foundations

Stabilenka® is a woven geotextile comprised of high tenacity polyester yarns woven into a stable network such that the yarns retain their relative positions. The geotextile is inert to biological degradation and naturally encountered chemicals, alkalis, and acids. Stabilenka® geotextiles have been developed to reinforce steepened slopes, embankments over soft soils, and landfill liners. Stabilenka® woven textiles are produced at HUESKER's manufacturing facility that has achieved ISO 9001 certification for its systematic approach to quality in development, manufacture, inspection, sales and application support of geosynthetics.

Physical Properties of Stabilenka® 100/50

PROPERTY	TEST	ENGLISH units ¹	SI units ¹
Mass/ Unit Area	ASTM D-5261	7 oz/yd ²	238 g/m ²
Wide Width Tensile Strength			
Machine Direction (MD)	ASTM D-4595	6,850 lb/ft	100 kN/m
Cross Machine Direction (CMD)	ASTM D-4595	3,425 lb/ft	50 kN/m
Tensile Strength @ 5% (MD)	ASTM D-4595	3,425 lb/ft	50 kN/m
Elongation at Ultimate Tensile Strength (MD x CMD)	ASTM D-4595	≤ 10%	≤ 10%
Apparent Opening Size (AOS)	ASTM D-4751	40 US Sieve	0.425 mm
Long Term Design Strength*			
Sand, Silt and Clay (MD)	GRI GT7	3,456 lb/ft	51 kN/m

¹Minimum average roll values are based on a 95% confidence level. MD-Machine Direction CMD-Cross Machine

Standard Roll Size: 16.41 ft (5.0 m) wide x 984.3 ft (300 m) long = 1,794 yd² (1500 m²)

Weight(includes core) = 915 lbs. (415 kg)

Each roll of Stabilenka® delivered to the project site is labeled by HUESKER with a roll label that indicates manufacturer's name, product identification, lot number, roll number and roll dimensions. All rolls of Stabilenka® are encased in a sturdy polyethylene wrap to shield the fabric from rain, dirt, dust and ultraviolet light. Contact HUESKER for information on our product warranty.

