



# Stabilenka® 200.45

## 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® 200.45

PROPERTY	TEST METHOD	ENGLISH units <sup>1</sup>	SI units <sup>1</sup>
<b>Mass/UnitArea</b>	ASTM D-5261	11.8 oz/yd <sup>2</sup>	400 g/m <sup>2</sup>
<b>Wide Width Tensile Strength</b>			
Machine Direction (MD)	ASTM D-4595	1142 lb/in (13,704 lb/ft)	200 kN/m
Cross Machine Direction (CMD)	ASTM D-4595	257 lb/in (3,082 lb/ft)	45 kN/m
<b>TensileStrength @ 5%(MD)</b>	ASTM D-4595	570 lb/in (6,850 lb/ft)	100kN/m
<b>Elongationat Ultimate Strength(MD)</b>	ASTM D-4595	10%	10%
<b>Apparent Opening Size (AOS)</b>	ASTM D-4751	30 US sieve	0.460 mm
<b>Long Term Design Strength* (MD)</b>			
Sand	GRI-GT7	576 lb/in (6,912 lb/ft)	101 kN/m

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

Standard Roll Size: 16.41 ft (5.0 m) wide x 984.3 ft (300 m) long = 1,794 yd<sup>2</sup> (1,500 m<sup>2</sup>)  
Weight (includes core) = 1423 lbs. (645 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.*

