



# Stabilenka® 400.50

## 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® 400.50

PROPERTY	TEST METHOD	ENGLISH units <sup>1</sup>	SI units <sup>1</sup>
<b>Mass/Unit Area</b>	ASTM D-5261	20.6 oz/yd <sup>2</sup>	700 g/m <sup>2</sup>
<b>Wide Width Tensile Strength</b>			
Machine Direction (MD)	ASTM D-4595	2284 lb/in (27,408 lb/ft)	400.0 kN/m
Cross Machine Direction (CMD)	ASTM D-4595	285 lb/in (3,425 lb/ft)	50 kN/m
<b>Tensile Strength @ 5% (MD)</b>	ASTM D-4595	1141 lb/in (13,700 lb/ft)	200 kN/m
<b>Elongation at Ultimate Strength (MD)</b>	ASTM D-4595	10%	10%
<b>Apparent Opening Size (AOS)</b>	ASTM D-4751	40 US sieve	0.425 mm
<b>Long Term Design Strength* (MD)</b>			
Sand	GRI-GT7	1225 lb/in (14,704 lb/ft)	214 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 656.2 ft (200 m) long = 1,196 yd<sup>2</sup> (1,000 m<sup>2</sup>)  
 Weight (includes core) = 1643 lbs. (745 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.*

