



# UNDERLAYMENT FABRIC

Willow Creek Underlayment Fabric is a woven polypropylene geotextile engineered for use in concrete paver installations to help stabilize poorly drained, fine grained soil sub grades, such as clay or silt. Installing Willow Creek Underlayment Fabric as a barrier between the sub grade and aggregate base prevents the soft underlying soil from mixing with the crushed stone and diluting its strength. It also improves subgrade load distribution.

Willow Creek Underlayment Fabric is non biodegradable and is resistant to ultraviolet exposure, soil chemicals, mildew and insects. It has high tensile strength and is resistant to tears and punctures. Properly installed, Willow Creek Underlayment Fabric will increase the life and performance of your concrete paver surface in areas of marginal soil conditions.

## INSTALLATION

Excavate beyond the area to be paved by a distance equal to the depth of base required. (See *Willow Creek Paving Stones Installation and Estimating Guidelines brochure*.) Use a hand tamper or vibrating plate compactor to pack down any loose soil remaining in the excavated area.

Place Willow Creek Underlayment Fabric on top of the entire excavated area, including up the sides. Keep the fabric free of wrinkles on the bottom. Overlap adjacent pieces of underlayment fabric by 12 inches on all sides. Place and compact uniform layers of aggregate base material on top of the underlayment fabric throughout the excavated area until the required depth and slope is achieved. Apply a 1-inch layer of bedding sand on top of the compacted aggregate base before paving stones are laid

## PRODUCT SPECIFICATIONS

Willow Creek Underlayment Fabric meets or exceeds all Interlocking Concrete Pavement Institute (ICPI) standards for geotextiles.

PROPERTY	TEST METHOD	MIN. AVERAGE ROLL VALUE	
		ENGLISH	METRIC
Mass	ASTM-0-5291	4 oz/yd <sup>2</sup>	115 g/m <sup>2</sup>
Grab Tensile Strength	ASTM-0-4632	204 lb	907 N
Grab Tensile Elongation	ASTM-0-4632	17%	17%
Trapezoidal Tear	ASTM-0-4533	79 lb	351 N
Mullen Burst	ASTM-0-3786	430 psi	2964 kPa
Puncture	ASTM 0-4833	100 lb	445 N
Permittivity	ASTM 0-4491	0.05 sec <sup>-1</sup>	0.05 sec <sup>-1</sup>
Water Flow Rate	ASTM 0-4491	3 gal/min/fe	120 l/sec/m <sup>2</sup>
AOS	ASTM 0-4751	50 US Sieve	0.21 mm
UV Resistance	ASTM 0-4355	70%	70%

Specifications are valid as of manufacturing date. Handling, storage and shipping may change these properties.

## ROLL SIZES

12.5' x 108' (150 yd<sup>2</sup>, 37.5 lb)  
6.25' x 108' (75 yd<sup>2</sup>, 18.75 lb)



OFFICE	KIMBALL PLANT	FARIBAULT PLANT
6348 Highway 36, Suite 7 Oakdale, MN 55128 (651) 773-7480 (800) 770-4525 toll free	12626 County Road 150 Kimball, MN 55353 (320) 398-5415 (888) 398-9631 toll free (320) 398-5416 fax	3701 Park Ave. N.W. Faribault, MN 55021 (507) 331-3198 (877) 331-3198 toll free (507) 331-9601 fax