

SC150 Erosion Control Blanket

The extended-term double net erosion control blanket shall be a machine-produced mat of 70% agricultural straw and 30% coconut fiber with a functional longevity of up to 24 months. (NOTE: functional longevity may vary depending upon climatic conditions, soil, geographical location, and elevation). The blanket shall be of consistent thickness with the straw and coconut evenly distributed over the entire area of the mat. The blanket shall be covered on the top side with a heavyweight photodegradable polypropylene netting having ultraviolet additives to delay breakdown and an approximate 0.63 x 0.63 (1/16 x 1/16) inch mesh, and on the bottom side with a lightweight photodegradable polypropylene netting with an approximate 1.50 x 1.50 (1/2 x 1/2) inch mesh. The blanket shall be woven together on 1.50 inch (3/16 inch) centers with degradable thread.

The SC150 shall meet requirements established by the Erosion Control Technology Council (ECTC) Specification and the US Department of Transportation, Federal Highway Administration's (FHWA) Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects, (FHWASpec 703.17.17) as a type II Extended-Term Erosion Control Blanket.

The SC150 is also available with the OOT System™, which consists of installation staple patterns clearly marked on the erosion control blanket with environmentally safe paint. The blanket shall be manufactured with a colored thread stitched along both end edges (approximately 2.5 inches [5-1/2 cm] from the edge) as an ordering guide for adjacent mats.

Material	Weight	Typical
Matrix	70% Straw Fiber	0.35 lb/sq yd (0.19 kg/m ²)
	30% Coconut Fiber	1.35 lb/sq yd (0.68 kg/m ²)
Netting	Top - Heavyweight photodegradable with UV additives	3.0 lb/1000 sq ft (1.47 kg/100 m ²)
	Bottom - Lightweight photodegradable	1.5 lb/1000 sq ft (0.73 kg/100 m ²)
Thread	1 - Orange	

SC150 is available in the following standard roll sizes:

Width	6.57 (2.03 m)	10.8 (3.29 m)
Length	108 (32.92 m)	108 (32.92 m)
Weight ± 10%	44 lbs (19.95 kg)	105 lbs (47.7 kg)
Area	80.0 sq ft (8.9 m ²)	192 sq ft (17.6 m ²)

Index Value Properties	Test Method	Typical
Thickness	ASTM D6655	0.39 in (9.91 mm)
Resistance	ECTC Guidelines	75%
Water Absorbency	ASTM D1117	250%
Mass/Unit Area	ASTM D475	11.44 oz/yd ² (388 g/m ²)
Shrink	ECTC Guidelines	0%
Smolder Resistance	ECTC Guidelines	Yes
Stiffness	ASTM D1390	1.11 oz/in
Light Penetration	ECTC Guidelines	7%
Tensile Strength - MD	ASTM D2818	146.5 lb/ft ² (2.17 MN/m)
Tensile Strength - TD	ASTM D2818	26.9%
Elongation - MD	ASTM D2818	147.4 lb/ft ² (2.19 MN/m)
Elongation - TD	ASTM D2818	25.2%

Batch Scale Testing (BITEP):	Results
Test Method	Parameters
ECTC Method 2	50 mm (2.0 in) for 30 min
ECTC Method 3	100 mm (4.0 in) for 30 min
ECTC Method 4	150 mm (6.0 in) for 30 min
ECTC Method 5	200 mm (8.0 in) for 30 min
ECTC Method 6	250 mm (10.0 in) for 30 min
ECTC Method 7	300 mm (12.0 in) for 30 min
ECTC Method 8	350 mm (14.0 in) for 30 min
ECTC Method 9	400 mm (16.0 in) for 30 min
ECTC Method 10	450 mm (18.0 in) for 30 min
ECTC Method 11	500 mm (20.0 in) for 30 min
ECTC Method 12	550 mm (22.0 in) for 30 min
ECTC Method 13	600 mm (24.0 in) for 30 min
ECTC Method 14	650 mm (26.0 in) for 30 min
ECTC Method 15	700 mm (28.0 in) for 30 min
ECTC Method 16	750 mm (30.0 in) for 30 min
ECTC Method 17	800 mm (32.0 in) for 30 min
ECTC Method 18	850 mm (34.0 in) for 30 min
ECTC Method 19	900 mm (36.0 in) for 30 min
ECTC Method 20	950 mm (38.0 in) for 30 min
ECTC Method 21	1000 mm (40.0 in) for 30 min
ECTC Method 22	1050 mm (42.0 in) for 30 min
ECTC Method 23	1100 mm (44.0 in) for 30 min
ECTC Method 24	1150 mm (46.0 in) for 30 min
ECTC Method 25	1200 mm (48.0 in) for 30 min
ECTC Method 26	1250 mm (50.0 in) for 30 min
ECTC Method 27	1300 mm (52.0 in) for 30 min
ECTC Method 28	1350 mm (54.0 in) for 30 min
ECTC Method 29	1400 mm (56.0 in) for 30 min
ECTC Method 30	1450 mm (58.0 in) for 30 min
ECTC Method 31	1500 mm (60.0 in) for 30 min
ECTC Method 32	1550 mm (62.0 in) for 30 min
ECTC Method 33	1600 mm (64.0 in) for 30 min
ECTC Method 34	1650 mm (66.0 in) for 30 min
ECTC Method 35	1700 mm (68.0 in) for 30 min
ECTC Method 36	1750 mm (70.0 in) for 30 min
ECTC Method 37	1800 mm (72.0 in) for 30 min
ECTC Method 38	1850 mm (74.0 in) for 30 min
ECTC Method 39	1900 mm (76.0 in) for 30 min
ECTC Method 40	1950 mm (78.0 in) for 30 min
ECTC Method 41	2000 mm (80.0 in) for 30 min
ECTC Method 42	2050 mm (82.0 in) for 30 min
ECTC Method 43	2100 mm (84.0 in) for 30 min
ECTC Method 44	2150 mm (86.0 in) for 30 min
ECTC Method 45	2200 mm (88.0 in) for 30 min
ECTC Method 46	2250 mm (90.0 in) for 30 min
ECTC Method 47	2300 mm (92.0 in) for 30 min
ECTC Method 48	2350 mm (94.0 in) for 30 min
ECTC Method 49	2400 mm (96.0 in) for 30 min
ECTC Method 50	2450 mm (98.0 in) for 30 min
ECTC Method 51	2500 mm (100.0 in) for 30 min
ECTC Method 52	2550 mm (102.0 in) for 30 min
ECTC Method 53	2600 mm (104.0 in) for 30 min
ECTC Method 54	2650 mm (106.0 in) for 30 min
ECTC Method 55	2700 mm (108.0 in) for 30 min
ECTC Method 56	2750 mm (110.0 in) for 30 min
ECTC Method 57	2800 mm (112.0 in) for 30 min
ECTC Method 58	2850 mm (114.0 in) for 30 min
ECTC Method 59	2900 mm (116.0 in) for 30 min
ECTC Method 60	2950 mm (118.0 in) for 30 min
ECTC Method 61	3000 mm (120.0 in) for 30 min
ECTC Method 62	3050 mm (122.0 in) for 30 min
ECTC Method 63	3100 mm (124.0 in) for 30 min
ECTC Method 64	3150 mm (126.0 in) for 30 min
ECTC Method 65	3200 mm (128.0 in) for 30 min
ECTC Method 66	3250 mm (130.0 in) for 30 min
ECTC Method 67	3300 mm (132.0 in) for 30 min
ECTC Method 68	3350 mm (134.0 in) for 30 min
ECTC Method 69	3400 mm (136.0 in) for 30 min
ECTC Method 70	3450 mm (138.0 in) for 30 min
ECTC Method 71	3500 mm (140.0 in) for 30 min
ECTC Method 72	3550 mm (142.0 in) for 30 min
ECTC Method 73	3600 mm (144.0 in) for 30 min
ECTC Method 74	3650 mm (146.0 in) for 30 min
ECTC Method 75	3700 mm (148.0 in) for 30 min
ECTC Method 76	3750 mm (150.0 in) for 30 min
ECTC Method 77	3800 mm (152.0 in) for 30 min
ECTC Method 78	3850 mm (154.0 in) for 30 min
ECTC Method 79	3900 mm (156.0 in) for 30 min
ECTC Method 80	3950 mm (158.0 in) for 30 min
ECTC Method 81	4000 mm (160.0 in) for 30 min
ECTC Method 82	4050 mm (162.0 in) for 30 min
ECTC Method 83	4100 mm (164.0 in) for 30 min
ECTC Method 84	4150 mm (166.0 in) for 30 min
ECTC Method 85	4200 mm (168.0 in) for 30 min
ECTC Method 86	4250 mm (170.0 in) for 30 min
ECTC Method 87	4300 mm (172.0 in) for 30 min
ECTC Method 88	4350 mm (174.0 in) for 30 min
ECTC Method 89	4400 mm (176.0 in) for 30 min
ECTC Method 90	4450 mm (178.0 in) for 30 min
ECTC Method 91	4500 mm (180.0 in) for 30 min
ECTC Method 92	4550 mm (182.0 in) for 30 min
ECTC Method 93	4600 mm (184.0 in) for 30 min
ECTC Method 94	4650 mm (186.0 in) for 30 min
ECTC Method 95	4700 mm (188.0 in) for 30 min
ECTC Method 96	4750 mm (190.0 in) for 30 min
ECTC Method 97	4800 mm (192.0 in) for 30 min
ECTC Method 98	4850 mm (194.0 in) for 30 min
ECTC Method 99	4900 mm (196.0 in) for 30 min
ECTC Method 100	4950 mm (198.0 in) for 30 min
ECTC Method 101	5000 mm (200.0 in) for 30 min
ECTC Method 102	5050 mm (202.0 in) for 30 min
ECTC Method 103	5100 mm (204.0 in) for 30 min
ECTC Method 104	5150 mm (206.0 in) for 30 min
ECTC Method 105	5200 mm (208.0 in) for 30 min
ECTC Method 106	5250 mm (210.0 in) for 30 min
ECTC Method 107	5300 mm (212.0 in) for 30 min
ECTC Method 108	5350 mm (214.0 in) for 30 min
ECTC Method 109	5400 mm (216.0 in) for 30 min
ECTC Method 110	5450 mm (218.0 in) for 30 min
ECTC Method 111	5500 mm (220.0 in) for 30 min
ECTC Method 112	5550 mm (222.0 in) for 30 min
ECTC Method 113	5600 mm (224.0 in) for 30 min
ECTC Method 114	5650 mm (226.0 in) for 30 min
ECTC Method 115	5700 mm (228.0 in) for 30 min
ECTC Method 116	5750 mm (230.0 in) for 30 min
ECTC Method 117	5800 mm (232.0 in) for 30 min
ECTC Method 118	5850 mm (234.0 in) for 30 min
ECTC Method 119	5900 mm (236.0 in) for 30 min
ECTC Method 120	5950 mm (238.0 in) for 30 min
ECTC Method 121	6000 mm (240.0 in) for 30 min
ECTC Method 122	6050 mm (242.0 in) for 30 min
ECTC Method 123	6100 mm (244.0 in) for 30 min
ECTC Method 124	6150 mm (246.0 in) for 30 min
ECTC Method 125	6200 mm (248.0 in) for 30 min
ECTC Method 126	6250 mm (250.0 in) for 30 min
ECTC Method 127	6300 mm (252.0 in) for 30 min
ECTC Method 128	6350 mm (254.0 in) for 30 min
ECTC Method 129	6400 mm (256.0 in) for 30 min
ECTC Method 130	6450 mm (258.0 in) for 30 min
ECTC Method 131	6500 mm (260.0 in) for 30 min
ECTC Method 132	6550 mm (262.0 in) for 30 min
ECTC Method 133	6600 mm (264.0 in) for 30 min
ECTC Method 134	6650 mm (266.0 in) for 30 min
ECTC Method 135	6700 mm (268.0 in) for 30 min
ECTC Method 136	6750 mm (270.0 in) for 30 min
ECTC Method 137	6800 mm (272.0 in) for 30 min
ECTC Method 138	6850 mm (274.0 in) for 30 min
ECTC Method 139	6900 mm (276.0 in) for 30 min
ECTC Method 140	6950 mm (278.0 in) for 30 min
ECTC Method 141	7000 mm (280.0 in) for 30 min
ECTC Method 142	7050 mm (282.0 in) for 30 min
ECTC Method 143	7100 mm (284.0 in) for 30 min
ECTC Method 144	7150 mm (286.0 in) for 30 min
ECTC Method 145	7200 mm (288.0 in) for 30 min
ECTC Method 146	7250 mm (290.0 in) for 30 min
ECTC Method 147	7300 mm (292.0 in) for 30 min
ECTC Method 148	7350 mm (294.0 in) for 30 min
ECTC Method 149	7400 mm (296.0 in) for 30 min
ECTC Method 150	7450 mm (298.0 in) for 30 min
ECTC Method 151	7500 mm (300.0 in) for 30 min
ECTC Method 152	7550 mm (302.0 in) for 30 min
ECTC Method 153	7600 mm (304.0 in) for 30 min
ECTC Method 154	7650 mm (306.0 in) for 30 min
ECTC Method 155	7700 mm (308.0 in) for 30 min
ECTC Method 156	7750 mm (310.0 in) for 30 min
ECTC Method 157	7800 mm (312.0 in) for 30 min
ECTC Method 158	7850 mm (314.0 in) for 30 min
ECTC Method 159	7900 mm (316.0 in) for 30 min
ECTC Method 160	7950 mm (318.0 in) for 30 min
ECTC Method 161	8000 mm (320.0 in) for 30 min
ECTC Method 162	8050 mm (322.0 in) for 30 min
ECTC Method 163	8100 mm (324.0 in) for 30 min
ECTC Method 164	8150 mm (326.0 in) for 30 min
ECTC Method 165	8200 mm (328.0 in) for 30 min
ECTC Method 166	8250 mm (330.0 in) for 30 min
ECTC Method 167	8300 mm (332.0 in) for 30 min
ECTC Method 168	8350 mm (334.0 in) for 30 min
ECTC Method 169	8400 mm (336.0 in) for 30 min
ECTC Method 170	8450 mm (338.0 in) for 30 min
ECTC Method 171	8500 mm (340.0 in) for 30 min
ECTC Method 172	8550 mm (342.0 in) for 30 min
ECTC Method 173	8600 mm (344.0 in) for 30 min
ECTC Method 174	8650 mm (346.0 in) for 30 min
ECTC Method 175	8700 mm (348.0 in) for 30 min
ECTC Method 176	8750 mm (350.0 in) for 30 min
ECTC Method 177	8800 mm (352.0 in) for 30 min
ECTC Method 178	8850 mm (354.0 in) for 30 min
ECTC Method 179	8900 mm (356.0 in) for 30 min
ECTC Method 180	8950 mm (358.0 in) for 30 min
ECTC Method 181	9000 mm (360.0 in) for 30 min
ECTC Method 182	9050 mm (362.0 in) for 30 min
ECTC Method 183	9100 mm (364.0 in) for 30 min
ECTC Method 184	9150 mm (366.0 in) for 30 min
ECTC Method 185	9200 mm (368.0 in) for 30 min
ECTC Method 186	9250 mm (370.0 in) for 30 min
ECTC Method 187	9300 mm (372.0 in) for 30 min
ECTC Method 188	9350 mm (374.0 in) for 30 min
ECTC Method 189	9400 mm (376.0 in) for 30 min
ECTC Method 190	9450 mm (378.0 in) for 30 min
ECTC Method 191	9500 mm (380.0 in) for 30 min
ECTC Method 192	9550 mm (382.0 in) for 30 min
ECTC Method 193	9600 mm (384.0 in) for 30 min
ECTC Method 194	9650 mm (386.0 in) for 30 min
ECTC Method 195	9700 mm (388.0 in) for 30 min
ECTC Method 196	9750 mm (390.0 in) for 30 min
ECTC Method 197	9800 mm (392.0 in) for 30 min
ECTC Method 198	9850 mm (394.0 in) for 30 min
ECTC Method 199	9900 mm (396.0 in) for 30 min
ECTC Method 200	9950 mm (398.0 in) for 30 min
ECTC Method 201	10000 mm (400.0 in) for 30 min
ECTC Method 202	10050 mm (402.0 in) for 30 min
ECTC Method 203	10100 mm (404.0 in) for 30 min
ECTC Method 204	10150 mm (406.0 in) for 30 min
ECTC Method 205	10200 mm (408.0 in) for 30 min
ECTC Method 206	10250 mm (410.0 in) for 30 min
ECTC Method 207	10300 mm (412.0 in) for 30 min
ECTC Method 208	10350 mm (414.0 in) for 30 min
ECTC Method 209	10400 mm (416.0 in) for 30 min
ECTC Method 210	10450 mm (418.0 in) for 30 min
ECTC Method 211	10500 mm (420.0 in) for 30 min
ECTC Method 212	10550 mm (422.0 in) for 30 min
ECTC Method 213	10600 mm (424.0 in) for 30 min
ECTC Method 214	10650 mm (426.0 in) for 30 min
ECTC Method 215	10700 mm (428.0 in) for 30 min
ECTC Method 216	10750 mm (430.0 in) for 30 min
ECTC Method 217	10800 mm (432.0 in) for 30 min
ECTC Method 218	10850 mm (434.0 in) for 30 min
ECTC Method 219	10900 mm (436.0 in) for 30 min
ECTC Method 220	10950 mm (438.0 in) for 30 min
ECTC Method 221	11000 mm (440.0 in) for 30 min
ECTC Method 222	11050 mm (442.0 in) for 30 min
ECTC Method 223	11100 mm (444.0 in) for 30 min
ECTC Method 224	11150 mm (446.0 in) for 30 min
ECTC Method 225	11200 mm (448.0 in) for 30 min
ECTC Method 226	11250 mm (450.0 in) for 30 min
ECTC Method 227	11300 mm (452.0 in) for 30 min
ECTC Method 228	11350 mm (454.0 in) for 30 min
ECTC Method 229	11400 mm (456.0 in) for 30 min
ECTC Method 230	11450 mm (458.0 in) for 30 min
ECTC Method 231	11500 mm (460.0 in) for 30 min
ECTC Method 232	11550 mm (462.0 in) for 30 min
ECTC Method 233	11600 mm (464.0 in) for 30 min
ECTC Method 234	11650 mm (466.0 in) for 30 min
ECTC Method 235	11700 mm (468.0 in) for 30 min
ECTC Method 236	11750 mm (470.0 in) for 30 min
ECTC Method 237	11800 mm (472.0 in) for 30 min
ECTC Method 238	11850 mm (474.0 in) for 30 min
ECTC Method 239	11900 mm (476.0 in) for 30 min
ECTC Method 240	11950 mm (478.0 in) for 30 min
ECTC Method 241	12000 mm (480.0 in) for 30 min
ECTC Method 242	12050 mm (482.0