

**TECHNICAL DATA SHEET**

**SAVAGE CEMENT**

**BUFFALO SERIES**

<b>Properties of Geotextile</b>		<b>Test Method</b>	<b>Value</b>
Carrier Layer – PP Nonwoven Composite			10 OZ/yd <sup>2</sup>
Cover Layer – PP Nonwoven			10 OZ/yd <sup>2</sup>
<b>Properties of Concrete</b>		<b>Test Method</b>	<b>Value</b>
Chemical Composition		XRF	Aggregate+Cement+3.5% Basalt Fibers
Density		Typical	2000 kg/m <sup>3</sup> (±10%)
Setting Time		ASTM C-807	Initial Set: 90 Minutes Final Set: 200 Minutes
<b>Properties of Savage Cement</b>		<b>Test Method</b>	<b>Value</b>
Tensile Working Strength MD/CMD		ASTM D-5035	≥ 118/118 lb/in (±10%)
Tensile Ultimate Strength MD/CMD		ASTM D-5035	≥ 215/125 lb/in (±10%)
CBR Puncture Strength		ASTM D6241	≥ 786 lb (±10%)
<b>Properties of Savage Cement<sup>(2)</sup></b>		<b>Test Method</b>	<b>Value</b>
Compressive Strength		ASTM C109-02	11,603 PSI <sup>(3)</sup>
Bending Strength		ASTM C293	2,103 PSI <sup>(3)</sup>
Water Permeability Durability		ASTM C163-92	2x10-12 m/s <sup>(5)</sup>
Freeze Thaw Durability		ASTM C666	Pass 250 Cycles
De-Icing Chemicals Durability		ASTM C672	Pass 250 Cycles
Hydrocarbon Durability		ASTM C672	Pass 250 Cycles
Flame Resistance EURO		PN EN 12467-08 5.6	B-s1, d0 <sup>(4)</sup>
Flame Resistance US		MSHA ASTP-5011	Vertical & Horizontal Certification
Manning's n Value		ASTM D-6460	n=0.017
<b>Properties of Savage Cement<sup>(1)</sup></b>		<b>Savage Cement Buffalo Series</b>	
Mass per unit area of concrete		4.09 lb/ft <sup>2</sup> (±10%)	
Mass per unit area of Savage Cement		4.20 lb/ft <sup>2</sup> (±10%) 20.54 kg/m <sup>2</sup>	
Thickness		1.00 in (±10%)	
<b>Standard Roll Dimensions</b>		<b>Value</b>	
Width x Length		Special Roll Sizes Available	16.4' x 65.6' (5m x 20m)
Quantity			1,075 ft <sup>2</sup> /Roll 12 Rolls/Truckload

(1) Before hydration (2) After hydration (3) After 28 days (4) Complies with EN13501-1 (5) Permeability of seams will vary dependent on seaming method. Consult Savage Cement or your distributor for more information.

This data is the average values derived from standard tests and are subject to usual product variation. The right is reserved to make changes without notice at any time.

2020 Testing