



SEDIMAX™
SEDIMENT RETENTION

Specification Sheet – SediMax-FR™ (Filtration Roll)

DESCRIPTION

SediMax-FR™ shall be a machine-produced 100% biodegradable sediment filtration system.

SediMax-FR shall be composed of 70% straw and 30% coconut fiber matrix evenly distributed over the entire area of the bottom netting. The SediMax-FR shall consist of a bottom netting and a 2 ft. (0.61 m) top netting that covers the matrix material on the “splash apron” of the SediMax-FR system. The netting shall be constructed from 100% biodegradable woven natural organic fiber netting. The netting shall consist of machine directional strands formed from two intertwined yarns with cross directional strands interwoven through the twisted machine strands (commonly referred to as a Leno weave) to form an approximate (0.50 x 1.0 inch (1.27 x 2.54 cm) mesh. The blanket shall be sewn together on 1.50 inch (3.81 cm) centers with biodegradable thread.

Each SediMax-FR shall yield a structure 50 linear feet (15.2 m) in length, with an approximate finished diameter of 9 inches (0.23 m). The diameter of the finished structure may be increased to meet individual project specifications by spreading loose straw, pine needles, wood chips, grass clippings, etc. across the width of the SediMax-FR before rolling edge to edge.

Material Content		
Matrix	70% Straw Fiber	1.225 lbs/sy (0.665 kg/sm)
	30% Coconut Fiber	0.525 lbs/sy (0.285 kg/sm)
Netting	Bottom: Leno woven 100% biodegradable natural organic Fiber	9.30 lbs/1000 sf (4.50 kg/ 100 sm)
	Top: 2 ft (0.61 m) strip covering the “splash apron”, Leno weave jute netting	9.30 lbs/1000 sf (4.5 kg/100 sm)
Thread	Biodegradable	

Physical Specifications	
Width	6.67 ft (2.03 m)
Length	50.00 ft (15.25 m)
Weight +/- 10%	65.00 lbs (29.5 kg)
Stitch Spacing	1.5 in (3.81 cm)
Diameter	9.00 in. (0.23 m)

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Specification Sheet – SediMax-SW9™ (Straw Wattle 9 Inch)

DESCRIPTION

The SediMax-SW9 shall be composed of 100% agricultural straw and be wrapped in tubular UV stabilized synthetic net.

The netting weight shall be approximately 0.35 ounces/linear ft. and shall be made from HDPE (High Density Polyethylene) photodegradable oriented net with carbon black for UV inhibition. The netting shall have a diamond shaped aperture measuring 0.50 x 0.50 inches (1.27 x 1.27 cm).

The wattle ends will be secured with wire closures. SediMax-SW9 shall be installed according to manufacturer's recommendations. They shall be installed on contours and staked with 18 to 24 inch wood stakes at four foot on center.

Material Content

Matrix	100% Straw Fiber	2.4 lbs/linear ft (3.54 kg/linear meter)
Netting	Tubular, diamond-shaped netting	0.35 oz/linear ft (30.0 g/linear meter)
Wire Closure	Industrial grade ring wire, 18 gauge	3.75 in (9.53 cm)

Physical Specifications

Width	9.00 in (22.86 cm)
Length	25.00 ft (7.62 m)
Weight +/- 10%	60.00 lbs (27.22 kg)

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Specification Sheet – SediMax-SW12™ (Straw Wattle 12 Inch)

DESCRIPTION

The SediMax-SW12 shall be composed of agricultural straw and be wrapped in tubular UV-stabilized synthetic net.

The netting weight shall be 0.35 oz/linear ft and shall be made from HDPE (High Density Polyethylene) photodegradable oriented net with carbon black for UV inhibition. The netting shall have a diamond shaped aperture measuring 0.50 x 0.50 in (1.27 x 1.27 cm).

The wattle ends will be secured with wire closures. SediMax-SW12 shall be installed according to manufacturer's recommendations. They shall be installed on contours and staked with 18 to 24 inch wood stakes at four foot on center.

Material Content		
Matrix	100% Straw Fiber	3.75 lbs/linear ft (5.61 kg/linear meter)
Netting	Tubular, diamond-shaped netting	0.35 oz/linear ft (30.0 g/linear meter)
Wire Closure	Industrial grade ring wire, 18 gauge	3.75 in (9.53 cm)

Physical Specifications	
Width	12.00 in (30.48 cm)
Length	10.00 ft (3.05 m)
Weight +/- 10%	37.5 lbs (17.10 kg)

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Specification Sheet – SediMax-SWB9™ (Straw Wattle Biodegradable 9 inch)

DESCRIPTION

The SediMax-SWB9™ shall be composed of agricultural straw and be wrapped in biodegradable tubular organic, woven jute net.

The netting weight shall be approximately 1.28 ounces/ linear ft. and shall be made from Leno woven, lightweight woven jute netting. The netting shall have aperture openings measuring 0.50 x 1.0 inches (1.27 x 2.54 cm).

The wattle ends will be secured with wire closures. SediMax-SWB9 shall be installed according to manufacturer's recommendations. They shall be installed on contours and staked with 18 to 24 inch wood stakes at four foot on center.

Material Content		
Matrix	100% Straw Fiber	2.88 lbs/linear ft (4.25 kg/linear meter)
Netting	Tubular, diamond-shaped netting	1.28 oz/linear ft (118.8 g/linear meter)
Wire Closure	Industrial grade ring wire, 18 gauge	3.75 in (9.53 cm)

Physical Specifications	
Width	9.00 in (22.86 cm)
Length	25.00 ft (7.62 m)
Weight +/- 10%	57.00 lbs (25.65 kg)

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