

Design Values for Curlex® Sediment Log® and AEC Premier Straw® Wattles

Product Name/ Nominal Diameter	Channel Design			Slope Design	
	Density ^a (lb/ft ³)	GPM/ft ^{2b}	GPM/linear ft of installed product	P Factor ^c (event-based)	% Soil Retained
6 in Curlex Sediment Log	2.4	42.5	19.5	0.461	53.9
9 in AEC Premier Straw Wattle	4.5	7.5	5.6	0.676	32.4
9 in Curlex Sediment Log	2.3	42.5	29.0	0.461	53.9
12 in AEC Premier Straw Wattle	3.8	8.0	8.0	0.828	17.2
12 in Curlex Sediment Log	2.5	40.0	36.7	0.297	70.3
20 in AEC Premier Straw Wattle	2.8	^d		0.789	21.1
20 in Curlex Sediment Log	1.4	37.5	46.9	0.297	70.3

^a Weight and density are based on a dry fiber weight basis at time of manufacture. Baseline moisture content of Great Lakes Aspen excelsior, AEC Premier Straw, and AEC Premier Coconut fibers are 22%, 15%, and 20%, respectively.

^b Based on ASTM D5141.

^c Based on large-scale simulated rainfall testing.

^d Testing in progress.