



www.smartslope.com

the strength of nature.

We believe nature demonstrates simple, elegant systems. We believe SmartSlope uses nature to create functional, beautiful, superior retaining walls.



Why Choose SmartSlope?

- best design for living walls
- dedicated to green/service
- lowest priced upscale block system on the market
- wet-cast concrete
- flexible cross sections
- taller walls without grid
- thin profile saves space
- creates habitat
- creates green space
- LEED point contribution
- low carbon footprint
- reduces and treats runoff
- locally manufactured and shipped
- lightest weight / sf of face
- one block system for install
- mechanical grid connect
- variable slope angles

More info on SmartSlope :

Fast, complete wall and slope designs by experienced, national engineers and designers.

<http://www.smartslope.com/features/index.html>

MODULE INFO

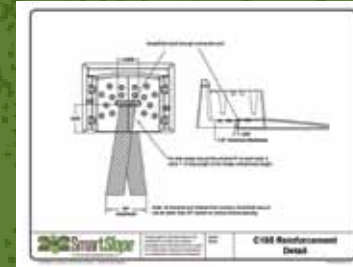
General			
Coverage (SF of wall coverage per module)		1.85 sf	
Module fill volume		1.25 cf	
Accepts Irrigation Lines		Yes	
Color		Charcoal Olive	
Dimensions			
Width (along bottom of face)		20.00 in.	
Depth (front to back)		15.00 in.	
Height (stacking/coursing height of side rails)		8.00 in.	
Face height (center of face)		10.50 in.	
Rail width (at top of rail)		1.25 in.	
Rail length (front to back)		12.00 in.	
Bottom thickness (at center of trough)		1.50 in.	
Connection aperture distance from tail of trough		6.00 in.	
Width of connection aperture		4.50 in.	
Strength			
Compressive strength (min @ 28 day)		5,000 psi	
Lip shear value (calculated)		5,090 lbs	
Sustainability			
Contributes to LEED Points		Yes	
Portland Cement Content per Module		13 lbs	
Portland Cement Content by Coverage		7 lbs/sf	
Recycled Content by Weight		5%	
Batter	Angle of Incline	Set back per module	Smart Batter
20 degree	70 degree	2.91 inches	none
30 degree	60 degree	4.62 inches	small
40 degree	50 degree	6.71 inches	large
Shipping			
Module weight (without fill)		85 lbs	
Pallet Count		30 modules	
Total SF per Pallet		55.5 sf	
Full Pallet Weight		2,600 lbs	
Average pallets per Flatbed		17	
Average SF per Truck		943.5 sf	

All SmartSlope modules are designed to utilize high tenacity polymer strapping as additional reinforcement when required. The straps pass through the aperture on the bottom of the module. 100% mechanical connection. No pins or devices. Extremely efficient and simple – calling it Smart is being modest!

SMARTSLOPE REINFORCEMENT STRAPPING

Minimum soil pullout of strap (Ci) for all three soil types	0.80
Minimum soil direct sliding on strap (Cds) for all three soil types	0.80
Minimum connection strength to unfilled SmartSlope C185 modules	6,500.00 lbs
Minimum connection strength to soil-filled SmartSlope C185 modules	7,500.00 lbs
Spread of terminal ends of straps in "V" shape configuration	34.00 in.

	ParaWeb 20 2E	ParaWeb 30 2D	ParaWeb 50 2D
Long term design strength	2,888 lbs	4,499 lbs	7,646 lbs
Linear feet per roll	328	328	328
Weight per roll	23 lbs	29 lbs	45 lbs
Width of Strap	1.8"	3.3"	3.3"
Roll dimensions	15" Dia.	20" Dia.	23" Dia.





Commercial



Waterfront



Residential

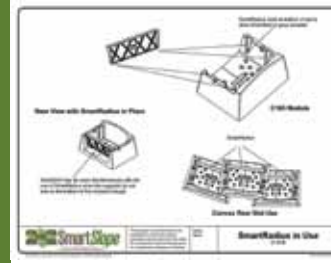


Infrastructure

SmartSHIELD



SmartRADIUS



SmartBATTER 60



SmartBATTER 50



ACCESSORIES	SmartSHIELD	SmartRADIUS	SmartBATTER 60	SmartBATTER 50
Recycled Content	100%	100%	100%	100%
Dimensions	11.5" L x 8" T	16.8" L x 5" T	approx. 2" x 1"	approx. 4" x 1"
Weight per Part	.503 lbs.	0.31 lbs.	.021 lbs.	.040 lbs.
# Required per Module <i>only when needed</i>	2	1	2	2
Parts per Package	20	20	100	100
Weight per Package	10 lbs.	6.20 lbs.	2.1 lbs.	4 lbs.