

Bayfield® Retaining Wall System

Estimating Chart for Geosynthetic Reinforcement

No Slopes and No Surcharges

FOR ESTIMATING PURPOSES ONLY - NOT FOR CONSTRUCTION



	CLAY & SILT SOIL	SILTY / CLAYEY SAND SOIL	CLEAN SAND & GRAVEL SOIL
H	$\phi = 26^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	$\phi = 30^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	$\phi = 34^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$
2'-0" (600 mm) 4 Courses	No reinforcement required	No reinforcement required	No reinforcement required
3'-0" (900 mm) 6 Courses	4.0' (1200 mm)	4.0' (1200 mm)	No reinforcement required
4'-0" (1200 mm) 8 Courses	4.0' (1200 mm) 4.0' (1200 mm)	4.0' (1200 mm) 4.0' (1200 mm)	4.0' (1200 mm) 4.0' (1200 mm)
5'-0" (1500 mm) 10 Courses	5.0' (1500 mm) 4.0' (1200 mm)	5.0' (1500 mm) 4.0' (1200 mm)	5.0' (1500 mm) 4.0' (1200 mm)
6'-0" (1800 mm) 12 Courses	6.0' (1800 mm) 4.0' (1200 mm) 4.0' (1200 mm)	5.0' (1500 mm) 4.0' (1200 mm) 4.0' (1200 mm)	5.0' (1500 mm) 4.0' (1200 mm) 4.0' (1200 mm)
7'-0" (2100 mm) 14 Courses	6.0' (1800 mm) 5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm)	6.0' (1800 mm) 5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm)	5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm)
8'-0" (2400 mm) 16 Courses	7.0' (2100 mm) 6.0' (1800 mm) 5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm)	6.0' (1800 mm) 5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm)	6.0' (1800 mm) 5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm)

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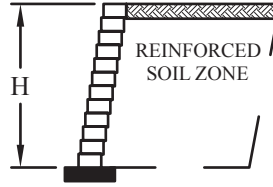
ANCHOR DIAMOND Group
5909 Baker Rd, Suite 550
Minnetonka, MN 55345

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Estimating Chart for Geosynthetic Reinforcement

100 PSF Surcharge

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2'-0" (600 mm) 4 Courses			No reinforcement required
3'-0" (900 mm) 6 Courses			
4'-0" (1200 mm) 8 Courses			
5'-0" (1500 mm) 10 Courses			
6'-0" (1800 mm) 12 Courses			
7'-0" (2100 mm) 14 Courses			
8'-0" (2400 mm) 16 Courses			

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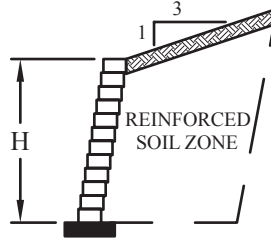
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Estimating Chart for Geosynthetic Reinforcement

3:1 Crest Slope

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	CLAY & SILT SOIL	SILTY / CLAYEY SAND SOIL	CLEAN SAND & GRAVEL SOIL
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2'-0" (600 mm) 4 Courses		No reinforcement required	No reinforcement required
3'-0" (900 mm) 6 Courses			
4'-0" (1200 mm) 8 Courses			
5'-0" (1500 mm) 10 Courses			
6'-0" (1800 mm) 12 Courses			
7'-0" (2100 mm) 14 Courses			
8'-0" (2400 mm) 16 Courses			

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