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AB Metro Classic

6 degree setback

Approx. 1 blk/ft² (11 blk/m²)

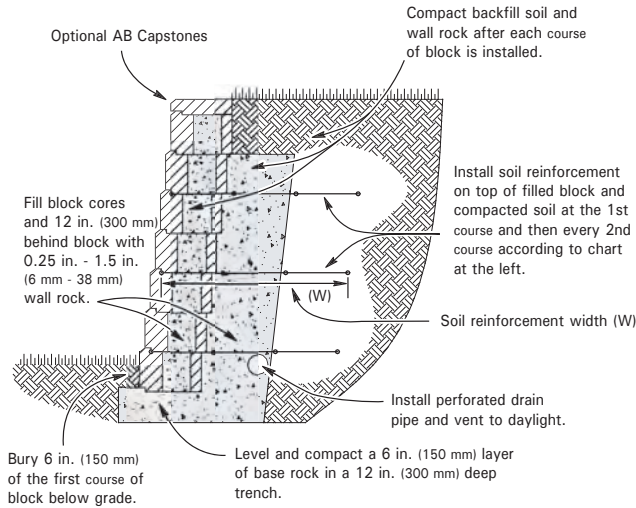
8 in. H x 12 in. D x 18 in. L

(200 mm H x 300 mm D x 460 mm L)

75 lbs (35 kg)



Typical Section Reinforced Wall



Maximum Wall Heights - AB Gravity Walls Residential Applications

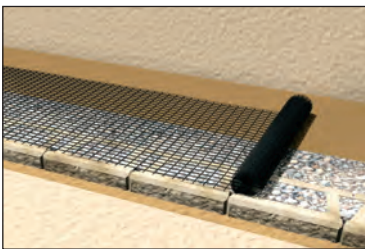
Condition above retaining wall	Soil Type	AB Stones only of AB Collection	AB, AB Aztec AB Metro, AB Europa Collections	AB Fieldstone Short Anchoring Unit (SAU)	AB Fieldstone Long Anchoring Unit (LAU)
		12" (Ref)	6" (Ref)	6" (Ref)	6" (Ref)
Level	Clay	3 ft. 6 in. 1.0 m	3 ft. 2 in. 0.9 m	3 ft. 7 in. 1.1 m	5 ft. 10 in. 1.8 m
	Silty Sand	5 ft. 4 in. 1.6 m	4 ft. 7 in. 1.4 m	5.0 ft. 1.5 m	8 ft. 6 in. 2.6 m
Wall Heights listed are for reference only.					
Surcharge* 100 psf (4.7 kPa)	Clay	1 ft. 8 in. 0.5 m	1 ft. 4 in. 0.4 m	1 ft. 8 in. 0.5 m	4 ft. 1.2 m
	Silty Sand	3 ft. 10 in. 1.1 m	3 ft. 1 in. 0.9 m	3 ft. 7 in. 1.1 m	7.0 ft. 2.1 m
Wall Heights listed are for reference only.					
Slope 3:1	Clay	2 ft. 8 in. 0.8 m	2 ft. 4 in. 0.7 m	2 ft. 8 in. 0.8 m	4 ft. 4 in. 1.3 m
	Silty Sand	4 ft. 8 in. 1.4 m	4 ft. 1 in. 1.2 m	4 ft. 4 in. 1.3 m	7 ft. 4 in. 2.3 m
Wall Heights listed are for reference only.					

The Maximum Wall Heights Chart is based on Clay soil having an internal friction angle of 27° (Ref) or better and a Sandy soil having an internal friction angle of 32° (Ref) or better. All heights based on exposed wall heights and include a cap block. The gravity wall heights shown above do not account for seismic loading. Check with a local engineer for assistance if you are in a seismic area. Final designs for construction purposes must be performed by a local registered Professional Engineer, using the actual conditions of the proposed site. *The Surcharge loading category above assumes a solid surface such as concrete, asphalt or pavers having a suitable supporting subgrade.

Ask for AB Reinforcement Grid.



Available in 3 ft. (0.9 m) or 4 ft. (1.2 m) widths by 50 ft. (15 m) in length.



Soil Reinforcement Chart for Residential Wall Applications

CONDITION ABOVE WALL	WALL HEIGHT**	AB Stones of the AB Collection only				AB, AB Aztec, AB Metro, AB Europa and AB Fieldstone Collection (excl. AB Stones)			
		CLAY SOIL		SANDY SOIL		CLAY SOIL		SANDY SOIL	
		No. of Layers	Width (W)	No. of Layers	Width (W)	No. of Layers	Width (W)	No. of Layers	Width (W)
Level	3ft (0.9 m)	0	0	0	0	0	0	0	0
	4ft (1.2 m)	2	3 ft	0	0	2	3 ft	0	0
	5ft (1.5 m)	3	3 ft	0	0	3	4 ft	3	3 ft
	6ft (1.8 m)	4	4 ft	4	4 ft	4	4 ft	4	4 ft
Surcharge* 100 psf	2ft (0.6 m)	1	3 ft	0	0	1	3 ft	0	0
	3ft (0.9 m)	2	3 ft	0	0	2	3 ft	0	0
	4ft (1.2 m)	2	3 ft	0	0	2	3 ft	2	3 ft
	5ft (1.5 m)	3	3 ft	3	3 ft	3	3 ft	3	3 ft
Slope 3:1	3ft (0.9 m)	2	3 ft	0	0	2	3 ft	0	0
	4ft (1.2 m)	2	3 ft	0	0	2	3 ft	2	3 ft
	5ft (1.5 m)	3	4 ft	0	0	3	4 ft	3	3 ft
	6ft (1.8 m)	4	4 ft	4	4 ft	4	4 ft	4	4 ft

The Soil Reinforcement Chart is based on clay soil having an internal friction angle of 27° (Ref) or better and a sandy soil having an internal friction angle of 32° (Ref) or better. Soil reinforcement increases the strength of the wall by creating a reinforced mass of soil behind the blocks. The weight of the reinforced soil mass combines with the blocks for a heavier, stronger wall. This chart is for estimating geogrid quantities only. For walls in the surcharge loading category above, on the last (top) layer of geogrid, it is typical to lengthen this grid by an additional 2 ft (600mm). To achieve these longer grid lengths, the Allan Block reinforcing grid must be installed perpendicular to the wall (rolled out from the front of the block to the back of the excavated area). *The surcharge loading category above assumes a solid surface such as concrete, asphalt or pavers having a suitable supporting subgrade. ** Wall heights are for reference only.



For taller walls see our **AB Commercial Retaining Wall Manual** for walls over 6 ft. (1.8 m) high or visit our website for complete details at allanblock.com.

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