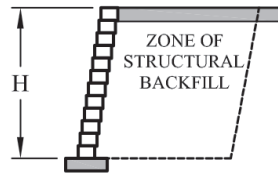




















# Anchorplex™ Construction with Matiz™ 6”

## Retaining Wall System Estimating Chart for Structural Backfill

### No Slopes / No Surcharge

FOR ESTIMATING PURPOSES ONLY - NOT FOR CONSTRUCTION



	CLAY & SILT SOIL	SILTY / CLAYEY SAND SOIL	CLEAN SAND & GRAVEL SOIL
H	$\phi = 26^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	$\phi = 30^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	$\phi = 34^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$
1'-0" (300 mm) 2 Courses	 NO STRUCTURAL BACKFILL REQUIRED	 NO STRUCTURAL BACKFILL REQUIRED	 NO STRUCTURAL BACKFILL REQUIRED
2'-0" (600 mm) 4 Courses	 1'-0" [300 mm] 0.08 x Wall Length = CY of Structural Backfill	 NO STRUCTURAL BACKFILL REQUIRED	 NO STRUCTURAL BACKFILL REQUIRED
3'-0" (900 mm) 6 Courses	 1'-0" [300 mm] 0.12 x Wall Length = CY of Structural Backfill	 1'-0" [300 mm] 0.12 x Wall Length = CY of Structural Backfill	 NO STRUCTURAL BACKFILL REQUIRED
4'-0" (1200 mm) 8 Courses	 1'-0" [300 mm] 0.16 x Wall Length = CY of Structural Backfill	 1'-0" [300 mm] 0.16 x Wall Length = CY of Structural Backfill	 1'-0" [300 mm] 0.16 x Wall Length = CY of Structural Backfill
5'-0" (1500 mm) 10 Courses	 1'-6" [450 mm] 0.29 x Wall Length = CY of Structural Backfill	 1'-6" [450 mm] 0.29 x Wall Length = CY of Structural Backfill	 1'-6" [450 mm] 0.29 x Wall Length = CY of Structural Backfill
6'-0" (1800 mm) 12 Courses	 1'-6" [450 mm] 0.35 x Wall Length = CY of Structural Backfill	 1'-6" [450 mm] 0.35 x Wall Length = CY of Structural Backfill	 1'-6" [450 mm] 0.35 x Wall Length = CY of Structural Backfill

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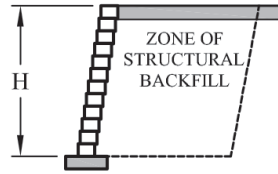
ANCHOR DIAMOND Group  
5909 Baker Rd, Suite 550  
Minnetonka, MN 55345

# Anchorplex™ Construction with Matiz™ 6”

## Retaining Wall System Estimating Chart for Structural Backfill

### 100 PSF Surcharge

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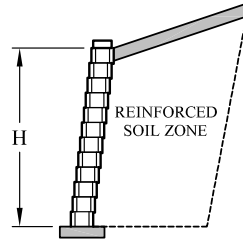
	CLAY & SILT SOIL	SILTY / CLAYEY SAND SOIL	CLEAN SAND & GRAVEL SOIL
H	$\phi = 26^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	$\phi = 30^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	$\phi = 34^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$
1'-0" (300 mm) 2 Courses	 NO STRUCTURAL BACKFILL REQUIRED	 NO STRUCTURAL BACKFILL REQUIRED	 NO STRUCTURAL BACKFILL REQUIRED
2'-0" (600 mm) 4 Courses	 1'-0" [300 mm] 0.08 x Wall Length = CY of Structural Backfill	 NO STRUCTURAL BACKFILL REQUIRED	 NO STRUCTURAL BACKFILL REQUIRED
3'-0" (900 mm) 6 Courses	 1'-0" [300 mm] 0.12 x Wall Length = CY of Structural Backfill	 1'-0" [300 mm] 0.12 x Wall Length = CY of Structural Backfill	 1'-0" [300 mm] 0.12 x Wall Length = CY of Structural Backfill
4'-0" (1200 mm) 8 Courses	 1'-6" [450 mm] 0.24 x Wall Length = CY of Structural Backfill	 1'-0" [300 mm] 0.16 x Wall Length = CY of Structural Backfill	 1'-0" [300 mm] 0.16 x Wall Length = CY of Structural Backfill
5'-0" (1500 mm) 10 Courses	 2'-0" [600 mm] 0.39 x Wall Length = CY of Structural Backfill	 1'-6" [450 mm] 0.29 x Wall Length = CY of Structural Backfill	 1'-6" [450 mm] 0.29 x Wall Length = CY of Structural Backfill
6'-0" (1800 mm) 12 Courses	 2'-0" [600 mm] 0.46 x Wall Length = CY of Structural Backfill	 1'-6" [450 mm] 0.35 x Wall Length = CY of Structural Backfill	 1'-6" [450 mm] 0.35 x Wall Length = CY of Structural Backfill

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# Anchorplex™ Construction with Matiz™ 6” Retaining Wall System Estimating Chart for Structural Backfill 3:1 Crest Slope

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	CLAY & SILT SOIL	SILTY / CLAYEY SAND SOIL	CLEAN SAND & GRAVEL SOIL
H	$\phi = 26^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	$\phi = 30^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	$\phi = 34^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$
1'-0" (300 mm) 2 Courses	 NO STRUCTURAL BACKFILL REQUIRED	 NO STRUCTURAL BACKFILL REQUIRED	 NO STRUCTURAL BACKFILL REQUIRED
2'-0" (600 mm) 4 Courses	 1'-0" [300 mm] 0.08 x Wall Length = CY of Structural Backfill	 NO STRUCTURAL BACKFILL REQUIRED	 NO STRUCTURAL BACKFILL REQUIRED
3'-0" (900 mm) 6 Courses	 1'-6" [450 mm] 0.18 x Wall Length = CY of Structural Backfill	 1'-0" [300 mm] 0.12 x Wall Length = CY of Structural Backfill	 1'-0" [300 mm] 0.12 x Wall Length = CY of Structural Backfill
4'-0" (1200 mm) 8 Courses	 2'-0" [600 mm] 0.31 x Wall Length = CY of Structural Backfill	 1'-0" [300 mm] 0.16 x Wall Length = CY of Structural Backfill	 1'-0" [300 mm] 0.16 x Wall Length = CY of Structural Backfill
5'-0" (1500 mm) 10 Courses	 2'-6" [750 mm] 0.48 x Wall Length = CY of Structural Backfill	 2'-0" [600 mm] 0.39 x Wall Length = CY of Structural Backfill	 1'-6" [450 mm] 0.29 x Wall Length = CY of Structural Backfill
6'-0" (1800 mm) 12 Courses	 3'-0" [900 mm] 0.69 x Wall Length = CY of Structural Backfill	 2'-0" [600 mm] 0.46 x Wall Length = CY of Structural Backfill	 1'-6" [450 mm] 0.35 x Wall Length = CY of Structural Backfill

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