

# Anchorplex™ Construction with Diamond® 10D Retaining Wall System

## Estimating Chart for Structural Backfill

### 100 PSF Surcharge

CLAY AND SILT SOIL $\phi = 26^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	SILTY/CLAYEY SAND SOIL $\phi = 30^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	CLEAN SAND AND GRAVEL SOIL $\phi = 34^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$
4 Courses 2' 0" (600 mm)  $0.12 \times \text{Wall Length} = \text{CY of Structural Backfill}$	4 Courses 2' 0" (600 mm)  $0.10 \times \text{Wall Length} = \text{CY of Structural Backfill}$	4 Courses 2' 0" (600 mm)  $0.10 \times \text{Wall Length} = \text{CY of Structural Backfill}$
6 Courses 3' 0" (900 mm)  $0.21 \times \text{Wall Length} = \text{CY of Structural Backfill}$	6 Courses 3' 0" (900 mm)  $0.18 \times \text{Wall Length} = \text{CY of Structural Backfill}$	6 Courses 3' 0" (900 mm)  $0.14 \times \text{Wall Length} = \text{CY of Structural Backfill}$
8 Courses 4' 0" (1200 mm)  $0.35 \times \text{Wall Length} = \text{CY of Structural Backfill}$	8 Courses 4' 0" (1200 mm)  $0.29 \times \text{Wall Length} = \text{CY of Structural Backfill}$	8 Courses 4' 0" (1200 mm)  $0.24 \times \text{Wall Length} = \text{CY of Structural Backfill}$
10 Courses 5' 0" (1500 mm)  $0.51 \times \text{Wall Length} = \text{CY of Structural Backfill}$	10 Courses 5' 0" (1500 mm)  $0.44 \times \text{Wall Length} = \text{CY of Structural Backfill}$	10 Courses 5' 0" (1500 mm)  $0.36 \times \text{Wall Length} = \text{CY of Structural Backfill}$
12 Courses 6' 0" (1800 mm)  $0.67 \times \text{Wall Length} = \text{CY of Structural Backfill}$	12 Courses 6' 0" (1800 mm)  $0.61 \times \text{Wall Length} = \text{CY of Structural Backfill}$	12 Courses 6' 0" (1800 mm)  $0.53 \times \text{Wall Length} = \text{CY of Structural Backfill}$
14 Courses 7' 0" (2100 mm)  $0.90 \times \text{Wall Length} = \text{CY of Structural Backfill}$	14 Courses 7' 0" (2100 mm)  $0.78 \times \text{Wall Length} = \text{CY of Structural Backfill}$	14 Courses 7' 0" (2100 mm)  $0.71 \times \text{Wall Length} = \text{CY of Structural Backfill}$
16 Courses 8' 0" (2400 mm)  $1.10 \times \text{Wall Length} = \text{CY of Structural Backfill}$	16 Courses 8' 0" (2400 mm)  $1.03 \times \text{Wall Length} = \text{CY of Structural Backfill}$	16 Courses 8' 0" (2400 mm)  $0.90 \times \text{Wall Length} = \text{CY of Structural Backfill}$