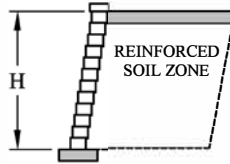
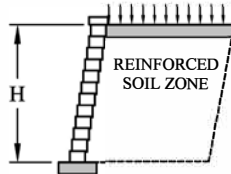


Estimating Chart Geosynthetic Belair Wall® and Brisa® Retaining Walls No Slopes / No Surcharges



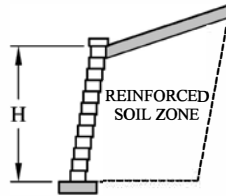
	Clay and Silt Soils $\phi = 26^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	Silty / Clayey Sand Soil $\phi = 30^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	Clean Sand and Gravel Soil $\phi = 34^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$
2'-0" (600 mm) 4 Courses		NO REINFORCEMENT 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			

Estimating Chart Geosynthetic Belair Wall® and Brisa® Retaining Walls 250 PSF Surcharge



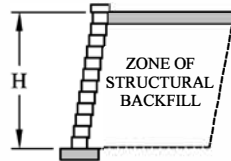
	Clay and Silt Soils $\phi = 26^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	Silty / Clayey Sand Soil $\phi = 30^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	Clean Sand and Gravel Soil $\phi = 34^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$
2'-0" (600 mm) 4 Courses			NO REINFORCEMENT 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			

Estimating Chart Geosynthetic Belair Wall® and Brisa® Retaining Walls 3:1 Crest Slope



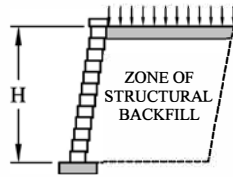
	Clay and Silt Soils $\phi = 26^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	Silty / Clayey Sand Soil $\phi = 30^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	Clean Sand and Gravel Soil $\phi = 34^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$
2'-0" (600 mm) 4 Courses			
3'-0" (900 mm) 6 Courses			
4'-0" (1200 mm) 8 Courses			
5'-0" (1500 mm) 10 Courses			
6'-0" (1800 mm) 12 Courses			

Estimating Chart Structural Backfill Using AnchorPlex® System Belair Wall® and Brisa® Retaining Walls No Slope / No Surcharge



	Clay and Silt Soils $\phi = 26^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	Silty / Clayey Sand Soil $\phi = 30^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	Clean Sand and Gravel Soil $\phi = 34^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$
2'-0" (600 mm) 4 Courses	<p>1'-0" [300 mm]</p> <p>0.08 x Wall Length = CY of Structural Backfill</p>	<p>1'-0" [300 mm]</p> <p>0.12 x Wall Length = CY of Structural Backfill</p>	<p>1'-0" [300 mm]</p> <p>0.16 x Wall Length = CY of Structural Backfill</p>
3'-0" (900 mm) 6 Courses	<p>1'-0" [300 mm]</p> <p>0.12 x Wall Length = CY of Structural Backfill</p>	<p>1'-0" [300 mm]</p> <p>0.12 x Wall Length = CY of Structural Backfill</p>	<p>1'-0" [300 mm]</p> <p>0.16 x Wall Length = CY of Structural Backfill</p>
4'-0" (1200 mm) 8 Courses	<p>1'-0" [300 mm]</p> <p>0.16 x Wall Length = CY of Structural Backfill</p>	<p>1'-0" [300 mm]</p> <p>0.16 x Wall Length = CY of Structural Backfill</p>	<p>1'-0" [300 mm]</p> <p>0.16 x Wall Length = CY of Structural Backfill</p>
5'-0" (1500 mm) 10 Courses	<p>1'-6" [450 mm]</p> <p>0.29 x Wall Length = CY of Structural Backfill</p>	<p>1'-6" [450 mm]</p> <p>0.29 x Wall Length = CY of Structural Backfill</p>	<p>1'-6" [450 mm]</p> <p>0.29 x Wall Length = CY of Structural Backfill</p>
6'-0" (1800 mm) 12 Courses	<p>1'-6" [450 mm]</p> <p>0.35 x Wall Length = CY of Structural Backfill</p>	<p>1'-6" [450 mm]</p> <p>0.35 x Wall Length = CY of Structural Backfill</p>	<p>1'-6" [450 mm]</p> <p>0.35 x Wall Length = CY of Structural Backfill</p>

Estimating Chart Structural Backfill Using AnchorPlex® System Belair Wall® and Brisa® Retaining Walls 250 PSF Surcharge

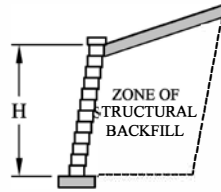


	Clay and Silt Soils $\phi = 26^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	Silty / Clayey Sand Soil $\phi = 30^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	Clean Sand and Gravel Soil $\phi = 34^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$
2'-0" (600 mm) 4 Courses	<p>1'-0" [300 mm]</p> <p>0.08 x Wall Length = CY of Structural Backfill</p>	<p>1'-0" [300 mm]</p> <p>0.12 x Wall Length = CY of Structural Backfill</p>	<p>1'-0" [300 mm]</p> <p>0.12 x Wall Length = CY of Structural Backfill</p>
3'-0" (900 mm) 6 Courses	<p>1'-0" [300 mm]</p> <p>0.12 x Wall Length = CY of Structural Backfill</p>	<p>1'-0" [300 mm]</p> <p>0.16 x Wall Length = CY of Structural Backfill</p>	<p>1'-0" [300 mm]</p> <p>0.16 x Wall Length = CY of Structural Backfill</p>
4'-0" (1200 mm) 8 Courses	<p>1'-6" [450 mm]</p> <p>0.24 x Wall Length = CY of Structural Backfill</p>	<p>1'-0" [300 mm]</p> <p>0.29 x Wall Length = CY of Structural Backfill</p>	<p>1'-0" [300 mm]</p> <p>0.29 x Wall Length = CY of Structural Backfill</p>
5'-0" (1500 mm) 10 Courses	<p>2'-0" [600 mm]</p> <p>0.39 x Wall Length = CY of Structural Backfill</p>	<p>1'-6" [450 mm]</p> <p>0.35 x Wall Length = CY of Structural Backfill</p>	<p>1'-6" [450 mm]</p> <p>0.35 x Wall Length = CY of Structural Backfill</p>
6'-0" (1800 mm) 12 Courses	<p>2'-0" [600 mm]</p> <p>0.46 x Wall Length = CY of Structural Backfill</p>	<p>1'-6" [450 mm]</p> <p>0.35 x Wall Length = CY of Structural Backfill</p>	<p>1'-6" [450 mm]</p> <p>0.35 x Wall Length = CY of Structural Backfill</p>

Estimating Chart Structural Backfill Using AnchorPlex® System

Belair Wall® and Brisa® Retaining Walls

3:1 Crest Slope



	Clay and Silt Soils $\phi = 26^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	Silty / Clayey Sand Soil $\phi = 30^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	Clean Sand and Gravel Soil $\phi = 34^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$
2'-0" (600 mm) 4 Courses	<p>1'-0" [300 mm]</p> <p>0.08 x Wall Length = CY of Structural Backfill</p>	<p>1'-0" [300 mm]</p> <p>0.12 x Wall Length = CY of Structural Backfill</p>	<p>1'-0" [300 mm]</p> <p>0.12 x Wall Length = CY of Structural Backfill</p>
3'-0" (900 mm) 6 Courses	<p>1'-6" [450 mm]</p> <p>0.18 x Wall Length = CY of Structural Backfill</p>	<p>1'-0" [300 mm]</p> <p>0.12 x Wall Length = CY of Structural Backfill</p>	<p>1'-0" [300 mm]</p> <p>0.12 x Wall Length = CY of Structural Backfill</p>
4'-0" (1200 mm) 8 Courses	<p>2'-0" [600 mm]</p> <p>0.31 x Wall Length = CY of Structural Backfill</p>	<p>1'-0" [300 mm]</p> <p>0.16 x Wall Length = CY of Structural Backfill</p>	<p>1'-0" [300 mm]</p> <p>0.16 x Wall Length = CY of Structural Backfill</p>
5'-0" (1500 mm) 10 Courses	<p>2'-6" [750 mm]</p> <p>0.48 x Wall Length = CY of Structural Backfill</p>	<p>2'-0" [600 mm]</p> <p>0.39 x Wall Length = CY of Structural Backfill</p>	<p>1'-6" [450 mm]</p> <p>0.29 x Wall Length = CY of Structural Backfill</p>
6'-0" (1800 mm) 12 Courses	<p>3'-0" [900 mm]</p> <p>0.69 x Wall Length = CY of Structural Backfill</p>	<p>2'-0" [600 mm]</p> <p>0.46 x Wall Length = CY of Structural Backfill</p>	<p>1'-6" [450 mm]</p> <p>0.35 x Wall Length = CY of Structural Backfill</p>