

**Unit-Unit Interface Properties**

Minimum Shear Capacity(lb/ft)	Shear Friction Angle	Maximum Shear Capacity (lb/ft)
585.00	56.00	6000.00

**Geosynthetic-SRW Unit Connection Strength properties**

Geosynthetic Product	Minimum Conn. Capacity (lb/ft)	1st Inflection Point (lb/ft)		2nd Inflection Point (lb/ft)	
		Normal Load (lb/ft)	Connection Capacity (lb/ft)	Normal Load (lb/ft)	Max Connection Capacity(lb/ft)
Miragrid 3XT	910.00	1000.00	1663.55	1534.06	2066.00
Miragrid 5XT	1645.00	1000.00	2111.31	2112.34	2630.00
Miragrid 8XT	1205.70	1000.00	1659.60	6856.80	4318.00

**Geosynthetic-SRW Unit Shear Strength properties**

Geosynthetic Product	Minimum Shear Capacity(lb/ft)	Shear Friction Angle	Maximum Shear Capacity (lb/ft)
Miragrid 3XT	526.50	50.62	5400.00
Miragrid 5XT	1352.30	48.47	5868.30
Miragrid 8XT	526.50	50.62	5400.00

**Vertical Components**

Vertical Components of Earth Pressures Used : **No**

**Coefficients of Earth Pressure and Failure Plane Orientation**

Reinforcement Soil(Static)(Ka) : **0.262**  
 Reinforcement Soil(Static)(Kah Horizontal Component) : **0.252**  
 Internal Modified Back Slope(Bint) : **18.300**  
 Orientation of failure plane from horizontal(degrees) for Internal Stability : **51.697**  
 Retained Soil(Static)(Ka) : **0.438**  
 Retained Soil(Static)(Kah Horizontal Component) : **0.417**  
 External Modified Back Slope(Bext) : **18.300**  
 Orientation of failure plane from horizontal(degrees) for External Stability : **40.625**