



RB (Reinforcement Belt) is produced to exacting specifications as well as tested by a GAI certified testing laboratory. The belt contains high molecular weight, high tenacity multifilament polyester yarns that are aligned and co-extruded under tension encased with a polyethylene sheath creating a stable network. The reinforcement belts are used for demanding soil reinforcement applicators such as panel walls, big block retaining walls and other soil reinforcement applications. The exceptionally tough LLDPE sheath surrounds and encapsulates the polyester fibers allowing use in typical backfill environments $3 < \text{pH} < 9$.

MINIMUM AVERAGE ROLL VALUES

STRENGTH	RB45	RB65
Ultimate Strength (T_{Ult})	10,116 lbs (45 kN)	14,612 lbs (65 kN)
Creep Reduction Factor, RF_c	1.54	1.54
Durability Reduction Factor, RF_D	1.15	1.15
Installation Damage, RF_{ID}		
Sand, Silt, Clay	1.02	1.02
Sandy Gravel	1.03	1.03
Gravel	1.05	1.05
Tal (LTDS) - Long Term Design Strength		
Sand, Silt, Clay	5,600 lbs (24.9 kN)	8,089 lbs (36.2 kN)
Sandy Gravel	5,545 lbs (24.7 kN)	8,010 lbs (35.9 kN)
Gravel	5,440 lbs (24.2 kN)	7,858 lbs (35.2 kN)
WEIGHT	0.09 lbs/ft (135 g/m)	0.10 lbs/ft (150 g/m)
ROLL SIZE		
Width	1.9 inches (48 mm)	1.9 inches (48 mm)
Thickness	0.13 inches (3.3 mm)	0.15 inches (3.8 mm)
Length feet(m)	328 ft. (100 m)	328 ft. (100 m)
Weight lbs(N)	29.5 lbs (13.5 kg)	32.5 lbs (14.7 kg)

WHERE: $Tal (LTDS) = \text{Long Term Design Strength} = T_{Ult} / RF_c \times RF_D \times RF_{ID}$

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