

SR18 The Green Secondary Reinforcement and Soil Retention Biaxial Geogrid for Stabilized Earth Retaining Wall and Geogrid Reinforced Slopes.



Synteen SR18 is utilized in a variety of soil reinforcement applications such as:

- ❖ Secondary reinforcement layer in reinforced soil embankments.
- ❖ Face wrap behind welded wire or wire basket faced retaining walls.
- ❖ Reinforcement in non-critical segmental block (SRW) and natural stone (rockery) retaining walls.
- ❖ Reinforcement under pavers, unpaved trails and paths. SR18 provides increased stabilization, reduces rutting, and decreases the costs associated with maintenance.
- ❖ SR18 provides exceptional strength, creep resistance and soil/aggregate retention properties.

SR18 is composed of high molecular weight, high tenacity multifilament polyester yarns that are woven into a stable network placed under tension. The high strength polyester yarns are coated with a **GREEN** PVC material . SR Geogrids are inert to biological degradation and are resistant to naturally encountered chemicals, alkalis and acids.

TENSILE PROPERTIES	TEST METHOD	MD MARV VALUES (LBS/FT)	CD MARV VALUES (LBS/FT)
Ultimate Strength	ASTM D 6637	1700	1400
Creep Limited Strength	ASTM D 5262	1125	927
T _{al} = Long Term Design Strength Machine Direction and Cross Machine	NCMA 97	930	766
UV Resistance(% strength retained)	ASTM D 4355	78%	78%
Aperture Size (ins.)	Measured		0.080 x 0.080

RF Creep - 1.51 RF Durability - 1.10 RF Installation Damage (Soil Type 3) - 1.10

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