

ERS-18 soil reinforcement geogrid 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 PVC material. Earth Retention Geogrids are inert to biological degradation and are resistant to naturally encountered chemicals, alkalis, and acids. Earth Retention Geogrids are typically used for soil reinforcement applications such as face wrap for GRES walls, secondary reinforcement for reinforced soil slopes, non-critical segmental retaining walls, articulating concrete block systems and subgrade stabilization for pedestrian and light vehicular applications.

TENSILE PROPERTIES	TEST METHOD	MD MARV VALUES (LBS/FT)	CMD MARV VALUES (LBS/FT)
Ultimate Strength	ASTM D6637	1,700 lbs.	1,400 lbs.
Creep Limited Strength	ASTM D5262	1,076 lbs.	886 lbs.
T _{dl} = Long Term Design Strength	NCMA 97	889 lbs.	732 lbs.
Aperture Size (ins.)	Measured	0.08 x 0.08	0.08 x 0.08

RF Creep	1.58
RF Durability	1.10
RF Installation Damage (Soil Type 3)	1.10

Warranty: Earth Retention, LLC warrants our products to be free from defects in material workmanship when delivered to our customers and that our products meet our published specifications. If a product is found to be defective, and our customer gives notice to Earth Retention before installing the product, Earth Retention, will replace the product without charge to our customer or refund the purchase price at Earth Retentions' election. Replacing the product or obtaining a refund are the buyer's sole remedy for a breach and Earth Retention will not be liable for any consequential damage attributed to a defective product. This warranty is given in lieu of all other warranties, express or implied, including the implied warranty of merchantability or fitness for a particular purpose. There are no warranties, which extend beyond the description provided herein.

