



ERS-18

SOIL REINFORCEMENT GEOGRID

ERS-18 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. ERS Geogrids are inert to biological degradation and are resistant to naturally encountered chemicals, alkalis and acids. ERS 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 – kN/m)	CMD MARV VALUES (lbs/ft – kN/m)
Ultimate Strength	ASTM D 6637	1,700 (24.81)	1,400 (20.43)
Creep Limited Strength	ASTM D 5262	1,076 (15.70)	886 (12.93)
T _{al} = Long Term Design Strength	NCMA 97	889 (12.97)	732 (10.68)
Aperture Size (ins.)	Measured	0.08 x 0.08	

Reduction Factors:

- Creep (RFCR) 1.58
- Durability (RFD) 1.10
- Installation Damage* (RFID) 1.10

* Soil Type 3

ERS Materials, LLC (ERS) Warranty: ERS warrants our products to be free from defects in material and 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 ERS before installing the product, ERS will replace the product without charge to our customer or refund the purchase price at ERS election. Replacing the product or obtaining a refund are the buyer's sole remedy for a breach and ERS will not be liable for any consequential damage attributed to a defective product. This warrant 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.

Last Update: May 2018

