



MIRAGRID 24XT

MIRAGRID® 24XT uniaxial geogrid is composed of high molecular weight, high tenacity polyester multifilament yarns woven in tension and finished with a PVC coating. MIRAGRID 24XT geogrid is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

MIRAGRID 24XT geogrid is used as soil reinforcement in MSE structures such as segmental retaining walls, precast modular block walls, wire faced walls, geosynthetic wrapped faced walls and steepened slopes. MIRAGRID 24XT is also used in MSE stabilized platforms for voids bridging, embankments on soft soils, landfill veneer stability, reducing differential settlement and for foundation seismic stability. TenCate Geosynthetics Americas (A Solmax Company) is accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program ([GAI-LAP](#)).

MIRAFI 24XT meets Build America, Buy America Act, Pub. L. No. 117-58, div. G §§ 70901-52.

| MECHANICAL PROPERTIES | TEST METHOD | UNIT | MINIMUM AVERAGE ROLL VALUE MD |
|--|----------------------|-----------------------------------|--|
| Tensile Strength @ Ultimate | ASTM D6637(Method B) | lbs/ft (kN/m) | 28,000 (408.5) |
| Tensile Strength @ 5% strain | ASTM D6637(Method B) | lbs/ft (kN/m) | 7000 (102.1) |
| | | | MINIMUM ROLL VALUE |
| Creep Rupture Strength ¹ | ASTM D5262/D6992 | lbs/ft (kN/m) | 19,444 (283.7) |
| Long Term Design Strength ² | | lbs/ft (kN/m) | 16,835 (245.6) |
| PHYSICAL PROPERTIES | | UNIT | ROLL SIZE |
| Roll Dimensions ³ (width x length) | | ft (m) | 12 x 200 (3.6 x 61) 12 x 1000 (3.6 x 305) |
| Roll Area | | yd ² (m ²) | 267 (220) 1333 (1114) |
| Estimated Roll Weight | | lbs (kg) | 595 (270) 2840 (1287) |

¹ 75-year design life based on NTPEP Report [REGEO-2016-01-070](#).

² Value based on Long Term Design Strength for sand, silt, clay. $RF_{CR} = 1.44$; $RF_{ID} = 1.05$; $RF_D = 1.1$ (Installation damage reduction factor for other soils available upon request)

³ Special order roll lengths are available upon request.

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NTPEP



NATIONAL TRANSPORTATION PRODUCT EVALUATION PROGRAM

Solmax is not a design or engineering professional and has not performed any such design services to determine if Solmax's goods comply with any project plans or specifications, or with the application or use of Solmax's goods to any particular system, project, purpose, installation, or specification.

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