

Soil improvement

Enkagrid PRO and Enkagrid MAX are the newest members of the Enkagrid family. Instantly recognizable by distinctive high tensile, extruded polymeric bars, these powerful new geogrids are the future of soil reinforcement. Enkagrid TRC, introduced in 1997 as the first multifunctional geogrid composite offers the highest modulus of any polymeric grid. These new geogrids are some of the strongest and most durable on the market today.

Base Reinforcement

Enkagrid MAX is a rigid, biaxial geogrid of extruded polypropylene bars developed to provide a high passive bearing resistance with optimum interaction in all soil types. This unique double-weft structure provides consistent stress-strain performance throughout making it ideal for base stabilization in permanent and temporary roadway projects. By stabilizing the base or subbase, Enkagrid MAX can significantly reduce the granular fill.



Enkagrid TRC, constructed of high-modulus Twaron® aramid fibers embedded in Colback®, a high tenacity polyester nonwoven, is the solution when separation in addition to reinforcement is required. Enkagrid TRC combines both separation and reinforcement in a single product.

When used as base reinforcement, Enkagrid PRO increases the bearing capacity of an embankment or working platform on soft soils with very low shear strengths. It delivers extra stiffness to prevent differential settlement during consolidation and prevents sliding by increasing the external stability.

Slopes and Walls

Enkagrid PRO is a rigid, uniaxial geogrid of extruded polyester bars that are laser welded at the junctions for optimum soil-geosynthetic interaction, high junction efficiency



and long term performance. The highly-oriented polyester bars provide powerful and dependable reinforcement and create an anchoring effect required for steep slopes and vertical wall applications.

Land Reclamation

Colbondrain consists of a nonwoven polyester filter jacket and a three-dimensional open PET core. Colbondrain accelerates consolidation of silts and clay soils by offering a highly permeable drainage path for the release of excess pore water. Using Colbondrain allows for rapid consolidation in reclaiming previously unusable land.



Multiple solutions for:

- paved roads
- parking lots
- construction haul roads
- trucking terminals
- airport runways
- holding aprons
- railways
- mining
- embankments
- slopes and walls
- segmental block walls
- bridge abutments
- foundations