



Case Study Haul Road Wraparound Walls using Flexible Geogrids

Coated biaxial multi lument polyester geogrid ranging in strength 35kN/m to 130kN/m used in subgrade reinforcement, block wall tie back, etc. TerraGrid Polyester geogrids were used to form a 45deg slope. The slope was a temporary structure for creating a haul road above.

The contractor used our polyester geogrids because they were easy to cut and install. The exible nature of polyester geogrids make it ideal for geogrid wrap around facing slopes. To ensure the facing would not be eroded away, granular material was used at the facing. A non-woven geotextile may also be used for better separation.

For permanent structures, a bituminous spray may be used to additionally protect it against UV degradation. However, since it was a temporary structure, the PVC coated geogrids are su cient against UV light degradation. The face area was approximately 500sqm, using a medium strength grade geogrid. The grade used was 60kN/m ultimate tensile strength laid at 600mm vertical centres. In-situ compacted back ll material was used to build the reinforced soil slope. For more information on these retaining solutions, please contact Polyfabrics Australasia



Consult Polyfabrics Australasia or a certified Engineer for site specific installation instructions. Polyfabrics Australasia reserves the right to change its product specification at any time. It is the responsibility of the specifier and purchaser to ensure that product specifications used for design and procurement purposes are current and consistent with the products used in each instance.