



Block Wall Reinforced with StrataGrid

Flexible Uniaxial/Biaxial Geogrids –

Coated biaxial multifilament polyester geogrid ranging in strength 35kN/m to 130kN/m used in subgrade reinforcement, Block wall tie back, etc.



A Keystone wall with StrataGrid polyester geogrids up to 10m high was built. The wall face area was approximately 3000sqm in total. StrataGrid high strength, high tenacity, polyester uniaxial geogrids SG600, SG550 & SG500 grades were used on this project. The site was raised using Keystone retaining walls reinforced with StrataGrid to accommodate an industrial complex and to provide perimeter storm water easements. Keystone block walls are flexible segmental block walls and are ideal for use as a facing element for geogrid reinforced soil wall structures. High segmental block walls require the use of geogrids to provide structural stability of the retaining wall.



Global, external and internal stability checks need to be carried out on the Reinforced Segmental Wall (RSW). As a rule of thumb, RSWs are very economical for walls higher than 3m typically. Lower height walls may also be suitable for certain situations.

For more information on these retaining wall systems, please contact Polyfabrics Australia.

