

BluGeo GRP60



THE STRAND WAIHEKE ROCK BOLTS & SLOPE PROTECTION

A prime water front site required extensive excavation and remodelling works to be undertaken to ready the building platform for a new residential dwelling.

PROJECT START: 2014

PROJECT COMPLETION: 2014

CLIENT/END USER: STOCKMAN GENERAL

CONTRACTOR: GROUTING SERVICES NZ

ENGINEER/DESIGNER: ORMISTON ASSOCIATES

APPLICATION

WHERE WE USED BLUGEO GRP60 ROCK BOLTS

Rock bolts were required as part of slope protection works over a total of 600sq.m of excavated face. A total of 300 No permanent rock bolts were installed comprising 2-5m long BluGeo GRP bar in a 150mm drill hole. The slope protection works proceeded in tandem with the excavation works and included the supply and installation of pyramat (high performance turf reinforcement), Tecco mesh and spike plates. The top boundary of the site was protected with the installation of a Geobruug rockfall fence.

WHY WE USED BLUGEO GRP60 SOIL NAILS/ANCHORS

BluGeo GRP60 rock bolts were accepted as a cost effective alternative to the specified galvanized bar. Additionally, the superior corrosion protection properties of the BluGeo GRP60 bar would ensure long-term durability

FEATURES

- High tensile and shear strength
- 100 year design life
- Light weight
- Economical

BENEFITS

Allowed the easy installation of the 5m rock bolts by one man instead of using additional resources which would have been required if traditional steel rock bolts were utilised.

SUMMARY

The properties of the BluGeo GRP60 rock bolts meet all the structural and design life requirements of the project and also allowed a quick, safe and economical installation.





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