



BluGeo GRP60

WOONONA BEACH - SLOPE STABILISATION

A ground penetrating radar identified that a cliff face at Woonona was potentially unsafe to pedestrians and motorists. Wollongong City Council engaged Bluey and the Rix Group to ensure the stability of the cliff face, using BluGeo GRP ground anchors and shotcrete.

Project Completion: August 2020

Application

WHERE WE USED BLUGEO GRP60

BluGeo GRP60 anchors were installed into the excavated cliff face from the beach. Cherry pickers were used to access the predrilled holes, allowing a single worker to lift each 8 metre GRP bar into place and install them with ease. Works proceeded with oxidised shotcrete after the anchors were installed, creating a visually similar cliff face to the surrounding area.

WHY WE USED BLUGEO GRP60

BluGeo GRP60 was recommended to Wollongong City Council by RIX as a cost effective alternative to galvanised bar. Additionally, the superior corrosion protection properties of the GRP bar along the coastline, ensured a +100 year design life for the rehabilitated area.

Features and Benefits

- 100 year design life
- No hot works required
- High tensile and shear strength
- Easy handling and installation
- 25% weight of steel
- Low carbon footprint
- Non-conductive material - no stray currents

Summary

When steep terrain is exposed to the elements, the effect on roads and pavements over time is often unpredictable. BluGeo GRP60 is commonly used in applications such as slope stabilisation as the product provides ease of use to contractors over traditional anchoring systems.





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