



GEOFABRICS CASE STUDY



LANDSLIDE PREVENTED AT MILITARY BASE IN SYDNEY

PRODUCTS USED

MACMAT® R TURF REINFORCEMENT MAT

- A unique composite material of MacMat reinforced with Maccaferri's double twist hexagonal woven mesh reinforcement – reducing installation costs by 50% compared to a double layer system
- Efficient erosion control mat for sloped embankments, channel linings and soil-veneer applications
- Protects seeded topsoil from washout and provides a zone for encouraging growth of vegetation



DAVID MORGAN
SALES ENGINEER

📞 0439 553 364

✉️ D.MORGAN@GEOFABRICS.COM.AU

📍 SYDNEY, NSW

PROJECT DESCRIPTION

The Department of Defence had an erosion control issue on an embankment at HMAS Kuttabul, Garden Island in Sydney New South Wales. The embankment suffered water ingress due to the recent heavy rains, causing it to slip and open up tension cracks at the top of the batter. If left untreated there would likely be a large landslide undermining the tennis courts located on the top of the fill.

OUR SOLUTION

Geofabrics recommended MacMat R Turf Reinforcement Mat to stabilise the embankment from further movement. This application also allows grass seeds to be sprayed on the surface, which eventually creates an aesthetically pleasing grassed batter.



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