



## GEOFABRICS CASE STUDY



# MITIGATING EROSION AT HOBSONVILLE POINT WITH TEXCEL R

## PRODUCTS USED

### TEXCEL R® NON-WOVEN STAPLE FIBRE GEOTEXTILE

- Made from polyester fibres with inbuilt flexibility, suitable for tough environmental conditions
- High abrasion and UV resistance properties provide superior filtration for coastal applications
- Available in custom grade and roll lengths to suit project requirements and chemical compatibility
- Savings in both material costs and installation times as it is supplied in compact 6m wide rolls
- Supported by installation equipment and technical assistance from our Geofabrics engineers



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## PROJECT DESCRIPTION

In February 2024, a residential development at Hobsonville Point in Auckland was experiencing severe tidal erosion, threatening the stability and safety of the nearby shoreline. To prevent further damage, a revetment seawall was necessary to act as a protective barrier between the land and the sea.

Geofabrics New Zealand was contacted by Envelope Engineering and contractor, Dempsey Wood to provide a solution to protect the community and its shoreline.

## OUR SOLUTION

To mitigate erosion, Geofabrics recommended using Texcel R non-woven staple fibre geotextile. Texcel 900R was installed beneath the seawall as a separation layer between the native soil and the rock revetment. The material composition of Texcel R provided a strong defence against tidal water movement, ensuring the integrity and longevity of the seawall structure.

The installation of Texcel 900R significantly contributed to the successful construction of the revetment seawall. With assistance from a spreader bar, it only took the contractor approximately 10 days to install 2100 square metres of Texcel R.

The product's performance met and exceeded expectations with Sean McGregor, Project Engineer from Dempsey Wood commenting, "The application of Texcel 900R was critical to the success of the seawall construction, which proved to be perfect. Geofabrics' delivered on-time, even under last minute requests and enabled the project to be delivered smoothly."





**2100m<sup>2</sup>**  
of Texcel R  
installed

**Strong**  
defence against  
tidal erosion



Visit [geofabrics.co](https://www.geofabrics.co) or call 1300 60 60 20 (AU)  
or [geofabrics.co.nz](https://www.geofabrics.co.nz) or call 0800 60 60 20 (NZ)

**GEOFABRICS®**

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