

# CASE STUDY

# COASTAL PATHWAY

# SHAG ROCK TO ESPLANADE

# CHRISTCHURCH

DURAFORCE® HEAVY WEIGHT GEOTEXTILE



CLIENT	Christchurch City Council
LOCATION	Christchurch
PRODUCTS USED	DuraForce Heavy Weight Geotextile

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## PROJECT

Coastal Pathway is a joint project between Christchurch City Council and Christchurch Coastal Pathway Group. It will run from Ferrymead Bridge to Scarborough Beach when completed – a total of 6.5km, with a 4m wide shared pathway.

## DESIGN

A heavy weight geotextile was required to protect the seawall and backfill from erosion caused by the tidal waves. DuraForce 1200c and TerraTex 900H were selected for this project. Due to a lot of heavy wash from the waves and the placement of very large rock it is critical to overlap the geotextile so it does not separate and allow for the fines to wash out of the gaps.

## INSTALLATION

The project was carried out by Fulton Hogan, with all the bulk earthwork and placement of rocks completed by Protranz. The excavation of the rock revetment area goes underneath by 2m, and then up the bank.

## The DuraForce Heavy Weight Geotextile used provided the following benefits to the project:

- Prevents erosion behind riprap
- Protects and preserves shoreline from wind, wave and tidal action



CIRTEX INDUSTRIES LTD

PHONE +64 7 868 9909 FAX +64 7 868 3435

0800 CIRTEX (247 839) | INFO@CIRTEX.CO.NZ | WWW.CIRTEX.CO.NZ



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