

OVERVIEW

Meadfoot Seawall

Torquay District Council

Millennium Marine



Orlitech's Fibre Basalt Reinforced Polymer (BFRP) lightweight mesh has been included in the critical repairs to a sea defence wall at Meadfoot beach in Torquay, Devon. The storms throughout the Winter damaged sea defences in many areas including the sea wall at Meadfoot beach, where the base of the sea wall was exposed.

The chosen main contractor was Millennium Marine give the contract to repair the sea wall. Given the location Millennium Marine suggested using Orlitech mesh as a receiver for a sprayed concrete repair. Orlitech 3mm 100x100 mesh has a tensile strength more than twice that of steel mesh with the added benefit of being 6 times lighter than the equivalent steel mesh. 36M² rolls of Orlitech mesh of 14Kg were easily transported to the workface and fixed in place ready to accept the dry sprayed concrete repair material.

Orlitech BFRP mesh does not corrode as it is resistant to chlorides and carbonation which guarantees that the reinforced concrete repair will endure in this corrosive environment. In addition Orlitech mesh provided a reduction in embodied carbon – Orlitech mesh will provide a 65% in CO₂ compared to carbon steel and more than 400% compared to stainless steel.

DURABLE-RESISTANT TO CORROSION, ALKALI & ACIDS-DIELECTRIC-LOW EMBODIED CARBON

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