

Material: Eromat C100P ECB, Bio Stakes

Date: March - August 2014

Embankment Erosion Control

Knowle Burn Flood Prevention, Dumbarton



This scheme comprised the construction of a flood storage pond in front of the council offices in Dumbarton as part of a £3.5 million project to protect drivers and nearby residents from the flooding which has become an increasing problem in recent years. This included a 60m long embankment and 11m spillweir both protected by Erosion Control Blankets to collect overflow water from the Burn (watercourse) Eromat C100P was selected as the erosion control blanket for this project due to its combination of robust construction and easy installation at an economical price.

The Erosion Control Blanket was installed following the construction and shaping of the embankment. The specified seed mix was sown under the matting, providing immediate protection from the elements. The coir fibres of Eromat retain moisture promoting germination, and protects the seeding. The photos on this case study were taken approximately 4 weeks after installation and seeding were completed.

150mm Bio Stakes were used to secure the Eromat. The natural fibres blanket will biodegrade over 36 months leaving the vegetation root system to naturally prevent soil erosion.

Other planting will take place in Spring 2015 to provide habitats for birds, and small animals.

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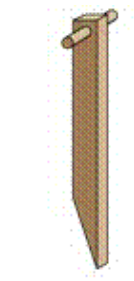
Scottish Daily Record image



View of new storage pond, capable of holding enough water to fill six Olympic Swimming pools.



Eromat extended 5m into the pond from the toe of the spillway to ensure immediate protection from soil erosion



Minister for the Environment, Roseanna Cunningham MSP said:

"Flooding is a serious issue and it is vital that we have adequate protective and preventative measures in place. Not only can flooding seriously impact upon our natural environment it can also destroy businesses and even leave people homeless."

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