

Case Study - Bentofix NSP 4900 Slope-Guard Type 5



Tesco Regional Distribution Centre

Client Tesco
Contractor O'Boyle Civil Engineering
Area 60,000m²

In brief

CMS specified and supplied its Slope-Guard Type 5 and Bentofix NSP 4900, erosion and clay lining materials, for two rainwater collection lagoons serving a new £65 million Tesco regional distribution centre (RDC) near Goole.

Project scope

As the 850,000 square foot Tesco RDC was built in an ecologically protected area, water evacuation from its roof had to be managed using environmentally friendly methods. To achieve this, specialist contractors on the project, O'Boyle Civil Engineering, constructed two large lagoons, using a total of 30,000m² of Bentofix NSP 4900 to line the bottom.

To facilitate efficient water flow into the lagoons, the sides were built on a medium incline. To protect these slopes from erosion, 30,000m² of Slope-Guard Type 5 was installed on all elevations.

This combination of geotechnical materials provided a cost effective solution to ensure the lagoons will provide a sustainable method of water control over time. Chris O'Boyle, managing director, O'Boyle Civil Engineering, concludes: "CMS were able to provide the complete solution for our geotechnical requirements. The materials were quick and easy to install, competitively priced, and most importantly – on-site exactly when we needed them."

Benefits

- Cost effective and durable solutions
- Slope-Guard Type 5 will biodegrade over time and provides an excellent microclimate for grass seeds to germinate
- Bentofix provides a high performance alternative to compacted clay and soil hydraulic barriers



CMS specified and supplied a combination of geotechnical systems for a new Tesco distribution centre



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