



County Clare Water Lagoon

System: **Polyurea**

Coverage: **5000m²**

OVERVIEW

Located within Southern Ireland County Clare has struggled with deteriorating road surfaces and an inadequate road structure.

The local authority announced the construction of a new road scheme improving the road structure. However due to the high level of water and flash flood tenancies around the location of the new road scheme, the council commissioned the construction of a water lagoon.

Surplus water will be pump from the road construction site to a holding lagoon. The lagoon will then slowly filter water into the natural water course, preventing the road construction site from becoming flooded.

SOLUTION

The contractor secured the tender for the water lagoon with the assistance from Krypton Chemicals, specifying a rapid cure waterproofing solution.

Firstly the contractors excavated the ground to build the shell for the 5000m² Lagoon. Once completed the polyester geomax reinforcement fabric was then laid out over the excavated ground, overlapping the edges creating a liner for the waterproofing system.

Krypton Chemicals supplied Pure Polyurea to overcoat the lagoon liner, hot spray applied direct to the polyester reinformcent fabric. Curing within 30 seconds the contractor waterproofed the entire 5000m² lagoon within 5 days and were able fill the lagoon with water immediately after the Polyurea waterproofing was complete.

BENEFITS

The local authorities of County Clare were impressed with the rapid completion of this lagoon, as the contractor excavated, waterproofed & filled the lagoon within a total of 9 days.

