



## **CASE STUDY – External Roofing Solution for Digester Roof**

**BUFCA SUPPLIER:** Isothane Ltd

### **THE SITUATION**

Rapid heat loss through the concrete digester roof was severely hindering the sewage digestion process. The client, United Utilities, sought a solution to the problem.

### **SOLUTION**

Isothane Thermadek high density insulation was selected to insulate the digester roof as it would seamlessly insulate the curved roof structure providing a uniform thickness and a long-lasting, durable and waterproof roof covering. The tank roof was pressure washed to clean and remove all organic growth. The clean concrete was treated with Isothane PU Primer before the installation of the high density insulation and a u.v. protective final coating.

The completed works resulted in a seamless, weatherproof digester tank top with a significantly improved insulation performance, and a digester that maintains the right temperature for an effective process.

Project partners working with the BUFCA supplier were Galliford Costain, the main contractors and a specialist installer.