

## Spillway Gate: Located on the island of Jura, Scotland.

Completed during 2015

This spillway gate was designed and built by the company Dryhoff in Maidstone, Kent, south-east England, and transported to Sheffield in the midlands of England, where it was blast-cleaned and film galvanised by the Zinga Approved Applicator "Broad Blast". The gate was coated according to the Zinga ISO specification 2 x 90µm DFT.

The structure was then transported on a 25-metre lorry all the way to west Scotland, to the island of Jura, which is owned by the Lithgow family.

The dam and the hydroelectricity generating station are both owned by Sir William Lithgow, whose holdings used to include the company Zinga UK. This is the second project on their island to use Zinga.



The bluish colour of the Zinga layer on the flood-gate indicates that the protective zinc carbonate salts have fully formed across the surface of the zinc, and also internally within the film. Although this small island is surrounded by sea, there are only a few small areas of zinc salts on the surfaces of the gates, as the zinc layer has been passivated and is now less reactive.



Two views showing the concrete spillway as viewed from the bottom end





Located in the bottom of the valley