



CASE STUDY – Waterproof Buoyancy Foam for Marine Installations

BUFCA SUPPLIER: Isothane Ltd
BUFCA INSTALLER: Modern Plan Insulation Ltd

THE SITUATION

A 25 metre long tidal control gate was internally waterlogged, due to the originally installed open cell foam which absorbed water from a small leak. This prevented the gate from operating correctly.

SOLUTION

The gate was removed from the water, the waterlogged foam was removed and the tube fully cleaned and dried. Isothane LD40 was injected through drill holes along the tube, fully filling the holding tube.



The material has a closed cell structure and will not absorb water should a leak occur again in the future. The gate was refitted and tested, and now operates effectively.

The project partners who worked with the BUFCA supplier and installer were:

- Quay Marinas Ltd,
- Robert West Ltd (Consulting Engineers & Project Managers); and
- PSF Wales Ltd (Sheet Metal & Fabricators).