

CASE STUDY



BUND LINING

FEBRUARY 2025

As part of an environmental protection upgrade at a fuel storage facility, GPT Environmental was engaged to repair and relin a bund using a high-performance epoxy system, restoring structural integrity and ensuring long-term chemical resistance and regulatory compliance.

AT A GLANCE

Challenges

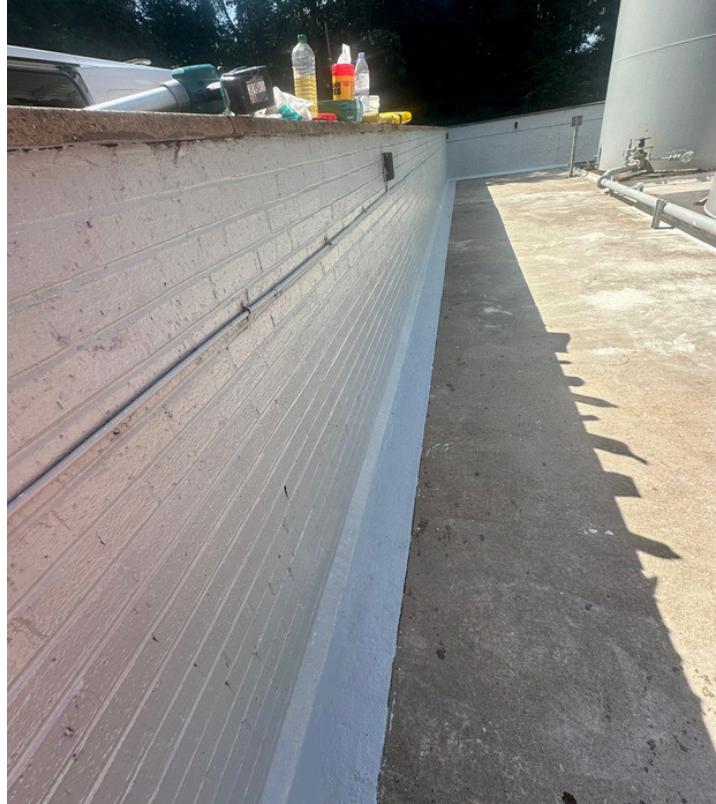
- Cracked bund base
- Damaged expansion joints
- Environmental compliance considerations

Result

- Durable containment lining
- Chemical spill resistance
- Structural integrity restored
- Regulatory standards met

CIRIA (C736) GUIDANCE STATES:

"Some surface coatings can have a service life as little as two years. However, if no records are available and the coating is older than two years it should be treated as ineffective, unless its integrity can be demonstrated".



SCOPE OF WORKS

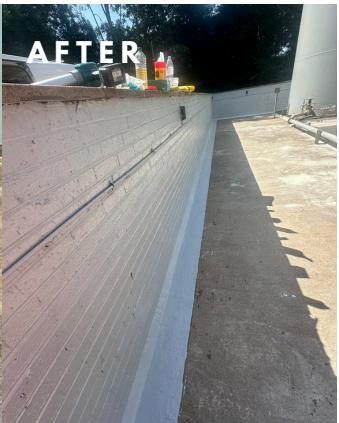
As part of a broader environmental protection upgrade at a fuel storage facility, our team was commissioned to restore and line the bund area with a high-performance epoxy resin system. Key works included:

- Site survey and identification of structural defects
- Chasing and repairing cracks with fibre-reinforced mortar
- Sealing of wall-to-floor joints and expansion joints using chemical-resistant sealants
- Cleaning and surface preparation of all internal bund surfaces
- Application of transparent epoxy primer for adhesion
- Application of two coats of oil and chemical-resistant epoxy resin

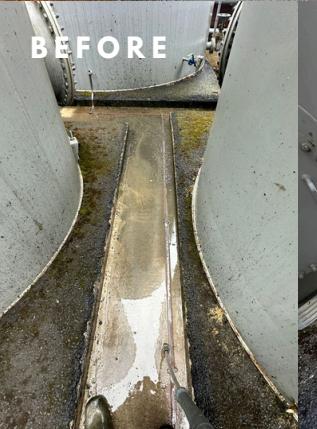
BEFORE



AFTER



BEFORE



AFTER



OUTCOME

The works resulted in a fully restored and lined bund, providing a seamless, reliable secondary containment barrier. The upgraded system now offers long-term resistance to oil and chemical exposure, supporting the client's pollution prevention strategy and ensuring compliance with environmental regulations. The project was completed on time and according to specification.



Interested in bund relining & repairs? Call us today on **01656 741799**

www.gptenvironmental.co.uk

