



Almetron Limited,
Wrexham, North Wales

Chemical Processing

Client:

Almetron Limited

Specialist Contractor:

Thelwell Flooring Limited

Products Used:

Atako ATB-300 RC

Contact:

NCC for Bund Lining

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Case Study

Almetron supply specialist chemicals produced at their plant in Wrexham, North Wales, and all manufacturing on the site is undertaken with great consideration for the environment. However the necessary production processes involve several aggressive chemicals; there are especially strong acids that require safe handling and use, including concentrated Phosphoric Acid (H_3PO_4), which is particularly aggressive to concrete surfaces used for the containment bund areas.

The Almetron plant engineers therefore wanted a highly acid resistant, durable and reliable, protective coating system, to protect all of the concrete surfaces in their tanker off-loading areas. The existing bare concrete surface was damaged due to previous acid chemical attack and so thorough mechanical preparation was carried out by the specialist contractor Thelwell Flooring Limited, in order to clean and prepare all of the areas requiring long term protection.



Concrete repairs were carried out and then the ATB-300 RC System was applied to protect all of the repaired floors, walls, plinths and sumps. This is based on advanced vinyl ester resins that provide extremely high chemical and mechanical resistance – especially to strong acids.