



## Almetron Limited, Wrexham, North Wales

## Case Study

Almetron supply specialist chemicals, particularly for the metals finishing industry and these are produced at their plant in Wrexham, North Wales. All manufacturing on the site is undertaken with great consideration for the environment, however the necessary production processes involve several particularly aggressive chemicals. These include especially strong acids that require safe handling and use, especially the concentrated Phosphoric Acid ( $H_3PO_4$ ), which is particularly aggressive to concrete and this had started to attack the surfaces in the chemical containment areas.

In the bulk IBC and tanker off-loading areas, the Almetron plant engineers wanted to repair this damage and then protect all of the surfaces with a durable and highly acid resistant coating system. Therefore all of the concrete damaged by acid attack was broken out and removed, then thorough mechanical preparation of all of the concrete surfaces was carried out by blastcleaning.



Concrete repairs were carried out with polymer modified mortars from NCC and then the selected ATB-300 RC System was applied to protect all of the repaired floor and wall surfaces. The ATB-300 System is based on advanced vinyl ester resins that provide extremely high chemical and mechanical resistance – especially to strong acids, to ensure long term protection.

### Manufacturing Industry

#### Client:

Almetron Limited

#### Specialist Contractor:

Thelwell Flooring Limited

#### Products Used:

Atako ATB-300 RC

#### Contact:

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