Case Study

Client:	*Petrochemical Plant*	**Industry:**	*Petrochemical*
Scope:	*Chemical Bund Lining*	**Date:**	*March 2018*
Location:	*UK*	**Products:**	*RH 800 & RW 500*

Overview

The previous concrete bund had been severely eroded by the acidic cleaning product stored within it.

Therefore the client required a new concrete bund and were looking to protect it with a coating system which had suitable chemical resistance.

Challenge

There could be no disruption to other ongoing work nearby.

Therefore grit blasting and the use of solvent-based paints were not permissible.

Solution

The surfaces were mechanically prepared by vacuum controlled diamond grinding to remove surface laitance and contamination.

The surface was then primed with one coat of **solvent-free** concrete primer **Damp-crete™ RH 800**.

All blow holes in the concrete were filled with a twin component polyester filler to ensure a seamless finish.

This was followed by two coats of **solvent-free**, glassflake epoxy **Epo-chem™ RW 500**.

Outcome

The project was successfully completed without disruption the working plant; which allowed significant time and cost savings to be achieved.

Benefits

- **Solvent-free** solution
- No grit blasting
- No disruption to other nearby ongoing work
- Exceptional chemical resistance
- Significantly reduced H&S and Fire Hazards

Continued overleaf

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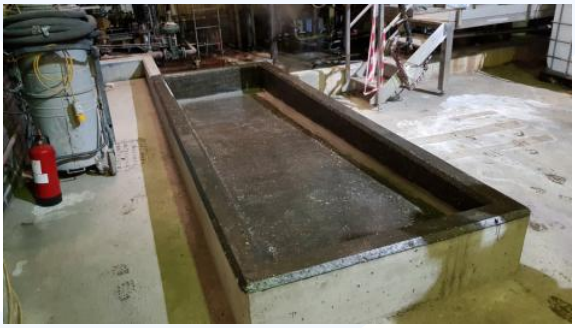

Photographs:

- No. 1 Original Condition
- No. 2 After Surface Preparation

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Photographs:

- No. 3 Applying RW 500
- No. 4 Completed Application

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