

Bunded Areas under Tanks, Finland

POLYUREA

Client	Ashland Chemicals, Porvoo
Consultant	--
Coating Contractor	TEKE OY, Valkeala
Project	Bunded Areas under Tanks Porvoo, Finland
Surface	approx. 400m ² Bunded Area Coating
Construction	October 2011
VIP System	QuickFill SL QuickPrime 2K-Epoxy SF QuickSpray Industrial



Project Description

The Company Ashland Chemicals was searching for a new system to seal and coat existing bunded areas to prevent contamination of the earth in case of a chemical spillage under the chemical storage tanks. Together with TEKE as preferred applicator and VIP as formulator they devised a time saving solution based on Quickspray Polyurea as a long term solution. To save time and money the QuickSpray Industrial (aromatic) was chosen, a 100% Polyurea 2-K Surface Coating based on Polyamine technology.

The work was carried out in 4 easy steps:

1. The Bunded Areas were sponge blasted to a grad of SA 2 1/2 to both clean and abrade the existing surface.
2. The damage in the concrete was repaired using the QuickFill SL system, which was also used for filling any joints.
3. The concrete was than primed with TEKE's own 2K Epoxy system to achieve a full dampness barrier.
4. Then aromatic Polyurea QuickSpray in grey was applied using a Graco Reactor HXP-2 hot spray machine.

This process could be completed in a very short space of time. Through using the Polyurea System the application could be completed in the very short time, not disrupting the loading of the tanks and the manufacturing processes in the plant.

