

# Flour Tower, Finland

POLYUREA

<b>Construction Contractor</b>	Myllyn Paras, Hyvinkää
<b>Coating Contractor</b>	TEKE OY, Valkeala
<b>Project</b>	Inner Lining of Flour Tower at Myllyn Paras in Hyvinkää
<b>Surface Construction</b>	approx. 270m <sup>2</sup> Flour Tower Coating December 2011
<b>VIP System</b>	QuickFill QuickPrime 2K-Epoxy SF QuickPrime 1K PU QuickSpray Industrial W



## Project Description

The Company Myllyn Paras was searching for a new system to seal and coat an existing flour tower in their mill in Hyvinkää. 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 Supreme W (aromatic) was chosen, a 100% Polyurea 2-K Surface Coating based on Polyamine technology with WRAS and USDA potable water approvals.

The work was carried out in 6 easy steps:

1. The flour tower was 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 system, which was also used for filling any joints.
3. The concrete was then primed with TEKE's own 2K Epoxy system to achieve a full dampness barrier.
4. Then the QuickSpray Supreme W (aromatic) in grey was applied using a Graco Reactor HXP-2 hot spray machine.
5. For better adhesion of the topcoat the QuickPrime 1K-PU universal was applied
6. For an absolutely smooth food grade finish the QuickCoat-Base Protect Crystal (aliphatic) was rolled on for a superior finish.

This process could be completed in a very short space of time. Through using the Polyurea System the application could be completed within the specified time and the milling processes in the plant was not disrupted too much.

