

# Application Profile



**Project:** Inside coating of a steel-silo (A).  
**Project supervisor:** Hoehnel GmbH, Linz (A)  
**Applicator(s):** Fastsetpowerunits, Landskron (A)  
Hoehnel GmbH, Linz (A)  
**System applied:** Gepotech 11/22, Xanten (D)  
**Substrate/Area:** sandblasted steel/1.200m<sup>2</sup>  
**Date:** 09. - 10.10.2008

## Description:

The company Hoehnel GmbH, which is a professional in steel-protection, have had the need, to apply the system Gepotech 11/22, a polyurethane-system, inside a steelsilo for corrosion protection and sealing.

The system was choiced, because the silo contains whey, a spin-off product of milk-production. This whey is concentrated in the silo and exposed to a chemical reaction, to reduce the "Ph-value" of the whey.

This procedure happens, to be able to waste out the "Ph-reduced" whey in the common waste-water-circle.

So the company Hoehnel asked Fastsetpowerunits, to help them out with an application equipment, because of the spray-parameters (high-pressure, high-temperature, reliable ratio-control) they could not cover with their own spray-equipment.

## First test-spray - funny experiences:

Fastsetpowerunits arranged with the company Hoehnel a test-spray in the forefield, to be shure, that the system Gepotech 11/22 can be worked out successful.

As for the expectancies of the application we choiced out a "GAMA Evolution G-250H" with 63m of material-hose and a "Master Gun" as spraygun (mixing chamber 01, roundspray).

The equipment was placed as usual and we sprayed out first tests. To all our wondrousness, the sprayed system did not react! It kept liquid and showed no reaction attributes.

So we checked out all the equipment to figure out the problem until we could see at least, that the manufacturer filled the drum of the "B"-side with MESAMOL-OIL!

After ex-changing the drum (and control the content before), the test-spray worked successful, the system reacted as expected and the labor-analyses attested perfect values.

## Spray-Job:

The spray-job was than done from 09. - 10.10.2008, while application all paramters were monitored and documentated by photos and videos.

Both application days were monitored and observed also through a local consultancy company, which made also thickness-tests, measurements of humidity and re-calculations of used material periodically. The spray-job itself was "easy-going", for some detail-works we have had to exchange to a smaller mixing-chamber (00, round), which could be done quick and without shutting off coating-equipment.

The silo is working now since 15.10.2009, there are no problems inside, no cracks, no leaks and no chemical attacks to the coating.

Because of the easy operation of the whole spray-equipment, the reliable work of the unit all over both days, the reliable operation of the spray-gun and the successful results, the company Hoehnel bought this coating-machine.

Also the company Gepotech is now recommending coating-equipment of GAMA for working out their systems.



Steel silo



"Entrance" hole



Placement of spray-machine



Test-spraying



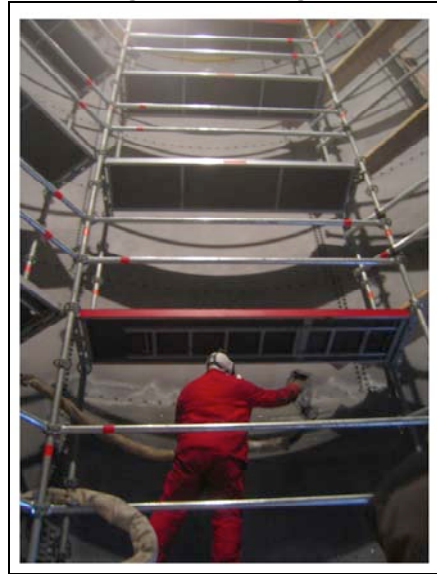
Working equipment



Covering and heating material



Spray-works



Spray-works



Application parameters



Gepotech system 11/22