



Leopoldshöhe Biogas Facility, Leopoldshöhe

Case Study

The Biogas facility in Leopoldshöhe wanted a protective lining system to seal the surfaces of the reinforced concrete storage tanks used to contain the biofuels used in the Biogas production process, including some which had asphalt floors. Rüdiger Schmidt specialist contractors had no hesitation in recommending a VIP 2-component polyurea based, hot-sprayed, fast-curing, lining and joint sealing system which was able to meet all of the owner's requirements on both concrete and asphalt surfaces.

All of the individual precast concrete wall elements were cleaned, prepared and primed with VIP polyurethane sealing primer, the joints between them were filled with a VIP flexible filler designed to accommodate any subsequent differential movement under service and loading. Finally the top coat of a VIP polyurea resin based, high build coating and lining in a light grey colour (RAL 7005) was applied using a Graco hot-spray machine, over all the primed and sealed surfaces. This created a watertight membrane around the storage tank walls and also provided the necessary sealing for watertightness at the wall / floor junctions and all over the existing concrete and asphalt floors. Each storage tank on the project was completed and made ready to be put back into service in just two days, minimizing downtime and interruption to the plant.



Client:
Leopoldshöhe Biogas Facility

Specialist Contractor:
Rüdiger Schmidt

Products Used:
VIP PV & Polyurea Coatings

Contact:
ResinFlooring Site
01257 266696

www.resinflooringsite.co.uk