

Coatings for Biogas-Applications:

Ceramic Polymer coatings ensure the value of advanced mixing technology for the whole range of biogas!

Ceramic Polymer GmbH
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For a huge biogas plant in England, our highly resistant coatings were recently applied on 4 specific paddle mixers.



The shaft and the paddle construction are placed in the variable range of biogas and biomass. The steel components are steadily exposed to the influences of the biogas, which provoke the highly corrosive effect. A coating system with excellent physical properties and resistances is essential for this kind of application.



The shafts and pillar constructions were coated in one layer with our chemically resistant premium product PROGUARD CN 200 by airless spraying methods.

For moisture-proof sealing of the corrodible screwings the the high-quality repair grout with specific fiber-reinforcement, ULTRA-PERFORM Z-2 F, was applied.

Technical Data:

Height of the stirring units:
approx. 5 meters

Material of the paddles:
stainless steel without coating

Our Coating for the shafts and pillar constructions: PROGUARD CN 200

Bolted areas:
Sealing with ULTRA-PERFORM Z-2 F

Manufacturer of the paddle mixers:
Steivering Rührwerkstechnik GmbH

Application of the coating:
SLP Beschichtungs GmbH



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Our Product:

- PROGUARD CN 200
- ULTRA-PERFORM Z-2 F



Our partners for this project

The company Steverding Rührwerkstechnik GmbH is specialized in the development and fabrication of specific paddle mixers for the biogas industry. In corporation with several technical colleges and the technical university in Vienna / Austria the effectiveness of the mixing units is permanently improved regarding the characteristics of different biogenic substances. The specially designed „Hydromixer“ is the excellent result of experiences and research for more than 20 years. The clients of the Steverding Rührwerkstechnik GmbH are notable international plant manufacturer; more than 200 stirring units are produced and erected annually.

Steverding Rührwerkstechnik GmbH
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The SLP Beschichtungs GmbH is an expert in the range of finishing and protection of metallic surfaces. Professional blasting, varnishing and coating are parts of their services. The production facility and external storage area of about 7.000 m², particularly 5 large-capacity booths for spraying and blasting with latest technology, enables the appropriate treatment of oversized machines and components as well as big vehicle parts and mobile cranes.

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**We provide high-performance coatings -
You receive the maximum protection against fatal corrosion damages!**