

Ceramic Polymer GmbH  
 Daimlerring 9  
 DE-32289 Roedinghausen

### Coatings for Tanks- and Pipelines:

## ADWEA-Project: Waste water treatment plants in Abu Dhabi

[www.ceramic-polymer.de](http://www.ceramic-polymer.de)

The Middle East located pan-Arabian corporate group "Kharafi National" provides a wide range of engineering and construction of individual infrastructure facilities and installations for water, oil and petrochemical industries. "Kharafi National" implemented the ADWEA-Project in Abu Dhabi, an innovative "BOOT"-Concept (Build, Own, Operate, Transfer) of two huge waste water treatment plants (Al Wathba and Al Saad), which have a daily capacity of 380.000 m<sup>3</sup> for industrial and domestic waste water with a concession over 25 years. The Finance Magazine "The Banker" entitled ADWEA as "Project finance of the year".



Various connecting pipes for the sedimentation tanks were coated on either side with our product **Proguard CN 200**, hence it satisfies the exceptionally high requirements:

- excellent chemical resistance against the sewage sludge also at high operating temperatures
- high resistance to elevated temperatures during fluctuation up to 50°C caused by hot days and cold nights in the desert
- permanent corrosion resistance, since the pipework is partially sealed in waterproof concrete walls. A renewal of these pipes it not possible.

### Coatings for Tanks- and Pipelines:

## Internal coating of flue gas scrubber – SACMI-Group, Imola/Italy

The SACMI-Group is an international manufacturer of machines and production facilities for different industries, for example ceramic products, foodstuffs and packaging. SACMI chose our premium product **Proguard CN 200**, because the internal coating of flue gas scrubber has to meet extremely high demands; absolute acid resistance due to the low pH-value as well as performance of special needs concerning thermal resistance. Physical stress effects occur by high and rapid temperature variation (hot gases of 180°C and cold water of 30°C). That means heavy duty for internal coatings. The outstanding physical properties of **Proguard CN 200** guarantee excellent chemical resistance beside remarkable temperature resistance at constantly high temperatures also at extreme thermal fluctuations (thermo-shock-effect). Therefore, **Proguard CN 200** provides maximum long-term corrosion protection for product facilities with unique requirements.



### Safe coating systems for drinking water applications:

## Norway: Certificates for offshore drinking water installations

The Norwegian Institute of Public Health "Folkehelseinstituttet FHI" in Oslo tested our certified products **Ceramic-Polymer SF/LF** and **Proguard CN 200** under special conditions. The Norwegian demands to obtain the concession for using coating material in contact with drinking water are hard to fulfill. All the more we are pleased, that our products passed several tests successfully and are termless suitable for offshore drinking water installations according to Norwegian standard.

**We appreciate to answer your technical questions concerning all kinds of coating and support you with our competence and best possible products.**