

**Coating for Industrial Tanks:**

**External and Internal Coating of Industrial Water Tank in Italian Refinery with Ceramic-Polymer Brand Products**

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South Italy / Sicily: For an Italian refinery, a huge tank for industrial water was protected externally and internally with Ceramic-Polymer Brand coatings. The customer selected our 1-layer-systems because they provide comprehensive corrosion protection at minimum application costs; the tank withstands the influences from corrosive industrial water and aggressive environmental conditions for many years.



The refurbishment of the huge industrial water tank was conducted with our successful surface tolerant coating products, which deliver with only 1 layer reliable corrosion protection for demanding scopes of application – that signifies essential advantages in comparison to multi-layered coatings.

Our efficient premium coatings **CERAMIC-POLYMER STP-EP** and **CERAMIC-POLYMER STP-EP-HV** are applied easily by airless spraying method or conventional handtools. Both products are qualified for high internal and external protection requirements. In combination with our A1-Topcoat **PROGUARD 169 (37)** we provide corrosion control on highest level.

**Technical Details**

**Project:** External and internal coating of tank for industrial water

**Coated area:** 3.150 m<sup>2</sup>

**Coating products and layer thicknesses**

**Internal:** Ceramic-Polymer STP-EP-HV; 500 µm

**External:** Ceramic-Polymer STP-EP; 200 µm  
Proguard 169(37); 70 µm



**Our Partner in Italy:**

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**Our Products:**

- CERAMIC-POLYMER STP-EP-HV
- CERAMIC-POLYMER STP-EP
- PROGUARD 169(37)

**Internal coating: CERAMIC-POLYMER STP-EP-HV** is the „high viscosity“ version of our high-performance STP-EP-series. This surface tolerant two pack ceramic composite epoxy coating provides reliable corrosion protection with high chemical resistance and abrasion stability. The product can be simply applied by airless spraying in one thick layer to achieve comprehensive protection properties at minimum application costs. For this project **one layer of 500 µm** was applied to obtain durable resistance against the industrial water.

**External prime coat: CERAMIC-POLYMER STP-EP;** our thin-film coating offers long-lasting corrosion protection for extremely aggressive atmospheres. It features the perfect anti-corrosive basis for high-quality topcoats. For the protection of the water tank, **only one layer of 200 µm** was applied by airless spraying method. After a few hours of curing the area could be overcoated with our Topcoat.



**External finishing: PROGUARD 169 (37)** is a 2-component highly-crosslinked polyurethane coating. Our Topcoat provides resistances according to ISO 12944-2, corrosivity class C5. Therefore, it is the ideal product for demanding industrial environments. **PROGUARD 169 (37)** is available in RAL and NCS colors, it can be applied in one thin layer and shows fast curing. In this case a layer of 70 µm was applied by airless spraying.

**Do you need comprehensive corrosion protection for aggressive environments?  
Our expert team gladly supports you with high-end coating systems  
and technical competence!**