



**Coatings for Tanks and Vessels:**

**Ceramic Polymer: External coating of a huge universal tank in Czech Republic**

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**>>** Czech Republic: The external coating of the large tank, which is part of a well-known car manufacturing company, was renovated effectively with our products CERAMIC-POLYMER STP-EP and PROGUARD169(37). The combination of our primer and top coat provides beside a simple application a durable protection against corrosion – even at extremely corrosive environmental conditions.



The tank has a height of 25 meters and is used within the car factory as a universal tank for different substances. The former condition of the tank required a complete renovation of the steel casing and the concrete base.

First of all, the steel was prepared for the application of the coating by sandblasting according to purity level Sa2.5. Afterwards our protective coating CERAMIC-POLYMER STP-EP was applied in a thin layer of 180 µm by airless spraying. The top coat PROGUARD 169(37) features already with a layer of only 70 µm a long-term weather resistance.

**Technical Details**

**Project:** External coating of storage tank, refurbishment of concrete base

**Size of the tank:** 25 m height, 30 m diameter

**Area external coating:** 3.150 m<sup>2</sup>

**Area concrete renovation:** 89 m<sup>2</sup>

**Coating products:** CERAMIC-POLYMER STP-EP + PROGUARD 169(37)

**Layers thicknesses:** 180 µm + 70 µm = 250 µm total DFT

**Expected service life:** More than 15 years



The roof area was prepared by sandblasting pursuant to purity level Sa2.5.



Roof with applied coating and top coat.

**Our Partner in Czech Republic:**

**CHESTERTON ČR s.r.o.**

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**Our Products:**

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



A thin layer of both coating and top coat was simply applied by airless spraying.



Renovated tank; durable protection against corrosive influences of industrial environments.

**Our external coatings for comprehensive protection under hardest conditions**

**CERAMIC-POLYMER STP-EP**

**is a surface tolerant two pack ceramic composite epoxy coating**

This product offers a reliable corrosion protection, excellent abrasion resistance as well as a high chemical resistance. Thereby, it is perfectly suitable as prime coat for external application in extremely aggressive atmospheres.

**PROGUARD 169(37)**

**is a 2-component highly-crosslinked polyurethane top coat**

Our finishing coat provides beside long-term resistances against UV radiation and weather conditions an outstanding color stability. This product is applied in one layer and cures fast. It also features a high chemical resistance. Thus, our system is used for typical scopes and also very harsh environments.

**Do you need high-quality external coatings for long-term corrosion protection and value preservation?  
Our portfolio contains protective coatings for each demand!**