

## Coatings for the Range of Chemicals:

# Ceramic Polymer: Internal coating of a storage tank for solvent-mixture in Egypt

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Example picture



The Alexandria Petroleum Company is among the largest oil and gas companies in Egypt. Different petroleum products and a variety of solvents are produced in this refinery.



Example picture

The internal coating of a big storage tank was conducted with our Saudi-Aramco approved product Ceramic-Polymer SF/LF-ARAMCO-APCS-2i, 28, 117. The storage substance, a mixture of toluol (methylbenzene) and MEK methyl ethyl ketone (butanone) at an operating temperature of 80°C is extremely aggressive.

Our specific coating system was applied by multiple layers with a total thickness of 700 µm at the wall and 1.600 µm at the bottom. Therefore, efficient value preservation and long-term durability of the tank are provided

### **Project: Internal coating of storage tank for solvent-mixture**

**Object:** Steel Tank

**Medium:** Toluol (methylbenzene) und MEK methyl ethyl ketone (butanone)

**Operation temperature:** constantly 80°C

**Coating Product:** Ceramic-Polymer SF/LF-ARAMCO-APCS-2i, 28, 117

**Total layer thicknesses:** wall area 700 µm, Floor 1.600 µm - applied in several layers



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**Our Product:**

- Ceramic-Polymer SF/LF-ARAMCO-APCS-2i, 28, 117

Example picture

### **Our approval according to Saudi-Aramco Coating-System APCS-2i**

Coating products have to feature outstanding properties to meet the APCS-Criteria (Aramco Protective Coating System) and get accepted for Saudi-Aramco applications. Our product Ceramic-Polymer SF/LF-ARAMCO-APCS-2i, 28, 117 was tested extensively by research laboratories of Saudi-Aramco and was approved for applications in accordance with their demanding requirements of Coating-System APCS-2i (fluid pressure up to 3.000 psi, fluid temperature up to 150°C). Specific aspects for the achieved approval were the excellent chemical resistance at high operating temperatures and the extreme resistance to fluid pressure, which was proven by autoclave-tests with explosive decompression. This remarkable result shows clearly that Ceramic Polymer GmbH is to be classified as market leader for high performance coatings in the sector of heavy and special corrosion protection.



Example picture

**Do you need protective coatings with outstanding resistances?**

**Our portfolio contains high performance products for any requirements!**