

Coatings for Maritime Techniques:

# Ceramic Polymer: External coating of risers and injection pipes for oil platforms in China, Beibu Gulf

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Riser pipes (black) after 10 months of operation

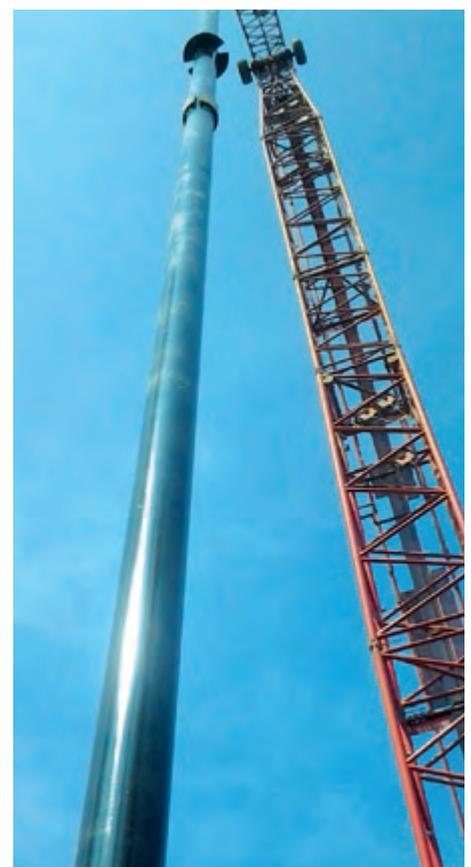


China, Beibu Gulf: Various riser pipes and several water injection pipelines for oil platforms were coated externally with our protection system CERAMIC-POLYMER SF/LF-SRB. The outstanding physical properties - particularly the excellent sea water resistance - were essential for the choice of our coating product.

## Project No. 1: External coating of numerous riser pipes, 5 jackets - for connected wellhead platforms WZ 12-2 and WZ 11-4, Beibu Gulf, China

Several riser pipes for the extraction of crude oil were coated externally with our product CERAMIC-POLYMER SF/LF-SRB. After surface preparation (SA 2.5) the coating was applied in a total thickness of 600 µm (24 mils) by airless spraying method.

CERAMIC-POLYMER SF/LF-SRB provides long-term corrosion protection in aggressive offshore environments. The coating product passed the test series according to ISO 20340 successfully and the relevant corrosivity categories for the offshore industry (DIN EN ISO 12944-2 – classes C5-M and IM1-3) are also completely satisfied.



### Technical Details:

<b>Owner:</b>	CNOOC Ltd./China
<b>Diameter of the pipes:</b>	DN250 up to DN 400
<b>Temperature of the crude oil:</b>	approx. 80°C (176°F)
<b>Product Requirements:</b>	long-term resistances against weathering, salt water and abrasion



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**Our Product for both projects:**

Ceramic-Polymer SF/LF-SRB  
in grey (RAL 7035) and black (RAL 9005) color



Application of the first layer - in grey color



Riser pipes (black) after 10 months of operation

**Project No. 2: External coating of several water injection pipelines for platform WZ-12-1, Weizhou Island, Beibu Gulf, China**

The casings for the water injection pipelines of the platform WZ-12-1 were coated externally with our reliable product CERAMIC-POLYMER SF/LF-SRB. The coating was easily applied in 2 layers of 500 µm (20 mils) each by airless spraying.



**Technical Details:**

<b>Owner:</b>	CNOOC Ltd./China
<b>Diameter of the pipes:</b>	DN200 up to DN 450
<b>Length of each pipeline:</b>	41 m (from EL -30m to EL +11m)
<b>Product Requirements:</b>	long-term resistances against weathering, salt water and abrasion



**Are you searching for anti-corrosion coatings for aggressive offshore conditions?  
We provide you proven and reliable products!**