

## Protection of Propeller Shaft

<b>Application:</b>	Protection against bi-metallic corrosion on propeller shaft.
<b>Place:</b>	Istanbul, TR – DESAN SHIPYARD
<b>Date:</b>	Feb 2021
<b>Inspection:</b>	Esko Marine BTMteknik
<b>Application:</b>	BTMteknik
<b>Wencon products used:</b>	Coating White, Coating Blue, Cleaner, appl. tools.



Propeller shaft on vessel was protected against bi-metallic corrosion, using Wencon Coating blue with a thickness of 0,8mm (2 layers of 0,4mm).

Propeller shaft before sandblasting. Requirements to ensure a good adhesion of Wencon Coating to the shaft:

- SA 2,5
- profile of 75 microns
- 3° above dew point

1. & 2. & 3.

After cleaning two times with Wencon Cleaner, first layer of Wencon Coating White was applied very thin, and massaged into the surface and profile to make an excellent adhesion. The layer was applied without rotating the shaft.



4.  
After semi curing (aprox. 2 hours)  
Second layer was applied with a brush  
while the lathe was turning with 9 rpm.



5. & 6.  
After semi curing (aprox. 2 hours) the  
third layer was applied with Wencon  
Coating Blue. During application of the  
second and third layer, the thickness  
was controlled several times, using a wet  
film gauge. A heating gun was used to  
secure that no air was entrapped in the  
coating. The lathe was left rotating  
overnight. Final result.

