APPLICATION REPORT

Sea Water Filter Strainer

Application: Rebuilding and coating of Seawater Filter strainer

Place: St. Johns, Canada

Date: September 2009

Job and report done by: Local workshop, St. Johns / Wencon Denmark

Wencon products used: Rapid, Coating white & blue, Cleaner,
Job:

5. & 6.
Condition of both housings, after first sandblasting, was very poor. After only ½ hour, the surface started to sweat salts and water (surface became brown-black).

7. & 8.
The mechanical strength at one of the housings was very poor, and some steel work had to be done.
Salts and water were sweated out, using a gas torch, heating the housings up to approximately 50 C.deg. Thereafter sandblasted again. Process repeated 3 times, and finally surface is blasted to SA 2,5/75 microns.

11. & 12.
After cleaning of all surfaces twice with Wencon Cleaner, housings were rebuild using Wencon Rapid.

After Rapid was semi cured, the first layer of Wencon Coating applied with a brush, in layer of 500 microns. Then left for semi curing in approx 1 ½ hour.

15. & 16.

Second layer of Coating applied, also with a brush and in 500 microns. Pls. note that all surfaces, to be in contact with seawater, are coated twice.
**Final result:**

17. & 18.

All surfaces, with possible seawater contact, are now protected by 1000 microns of Wencon Coating. It will take seawater 12-15 years to penetrate, the epoxy layers.

The housings are now ready for many years of service life, without any risk of attack from bi-metallic corrosion.