WENCON®
- repair solutions for you

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:

1., 2., 3. & 4.

Housings, before sandblasting.

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.

9. & 10.

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.

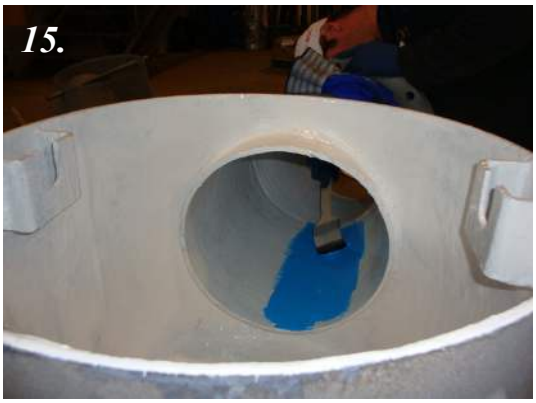
After cleaning of all surfaces twice with Wencon Cleaner, housings were rebuild using Wencon Rapid.

13. & 14.

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.


17.


18.