Report

Microscopical Examination of Paint samples Cleaning Hempel Silylated Acrylic Anti-fouling

Report : Peter Sorensen

Test team : Jens Jorgen Bruun
: Dan Porup
: Peter Sorensen

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Test team's first hand report.

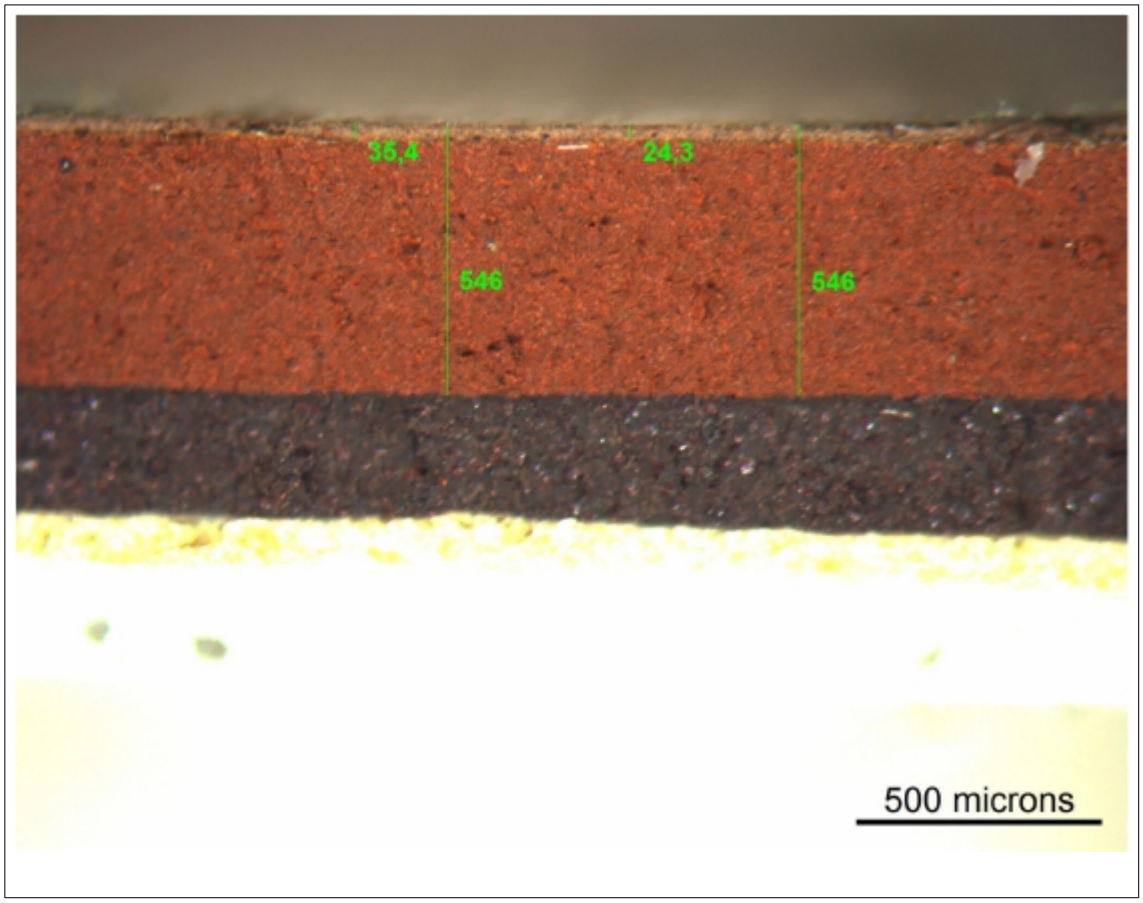
An aluminium test panel 2500x500 mm had been applied approx 500 microns on top of an existing epoxy paint system. The panel had been static immersed in seawater for 18 months.
The panel was test cleaned in a water tank by use of a water driven cleaning machine fitted with 3 yellow polypropylene brushes.
The cleaning machine was powered by seawater from a fire pump.
Paint samples were collected before cleaning, after one sweep and after cleaning in same position for 60 seconds.
The speed for the first sweep was approximately 20 metres a minute.

Microscopical Examination of Paint samples.

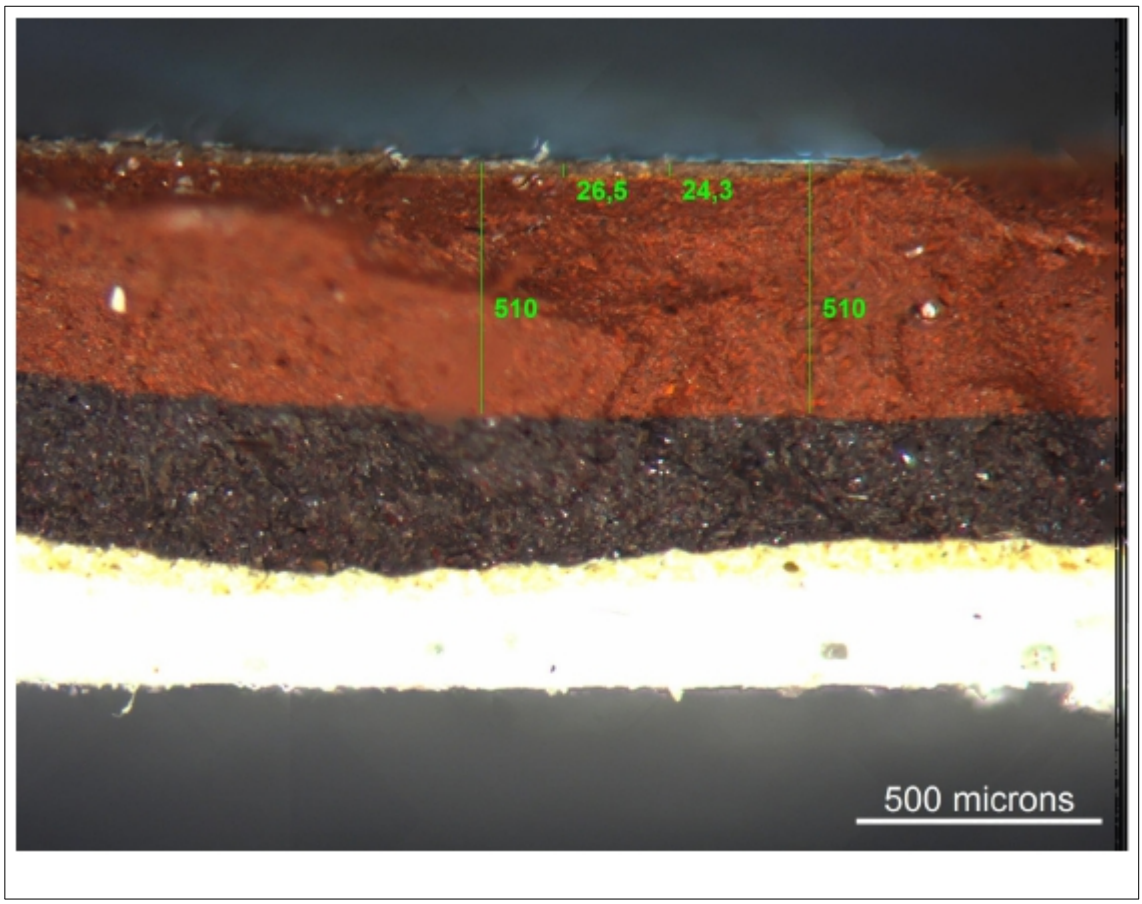
Before analysis the paint samples were dried and cut into useful sizes fitting the microscope.
Two measurements of the leached layer were carried out on each sample.

Sample	Totalanti-foulinglayer	Leachedlayer
Beforecleaning	Average546mic. (546mic.and546mic.)	Average29,85mic. (35,4mic.and24,3mic.)
Afterfirstsweep	Average510mic. (510mic.and510mic.)	Average25,4mic. (26,5mic.and24,3mic.)
After60sec.insamepos.	534mic.	Noremainingleachedlayer

Photos of Microscopical Examination.
Before cleaning



After first sweep



After 60 seconds in same posiition.