

## Abstract

Corrosion is an omnipresent subject in the maritime environment. Indeed, it generates astronomical costs and causes a negative impact on the environment. The aim of this work is to bring an added value to anti-corrosion paints. This work is based on an emerging technology, the microencapsulation. Does microencapsulation improve the characteristics of an anti-corrosion paint? To answer this question, different water-based coatings were formulated and tested. Comparisons were made with and without microcapsules. The results of these tests are promising. Indeed, the microcapsules provide a better protection to the metal.