

ALUMINUM MOLD PLASTIC INJECTION

~33.2%

OF THE MARKET (SOURCE: IRI 2016)

The replacement of the treatment in place, based on polyphosphonates / alkalizing amines, with ODYTHERM FS 500 quickly helped to bring observed corrosion under control.

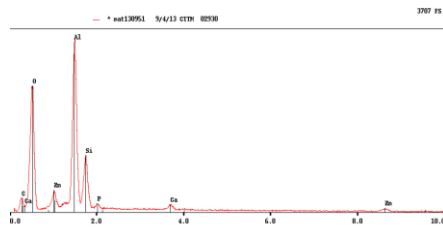
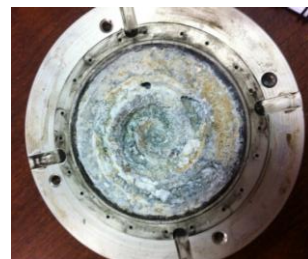


CLIENT CHALLENGE

The cooling of aluminum molds has always been a major challenge, not only in economic terms (a mold costs between €10K and €100K), but also as regards its technical aspects.

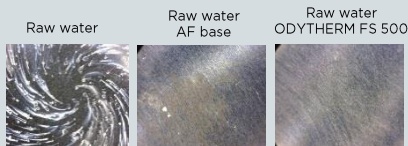
The injection of plastic to make water bottles pursues a goal of excellence that is vital in order to handle increasingly impressive production rates.

Mold corrosion remains a major problem that the entire sector must consider.



ODYSSEE'S SOLUTION

ODYSSEE Environnement set up a battery of tests in its lab before suggesting the solution, **ODYTHERM FS 500**.



The inhibitors used in **ODYTHERM FS 500**'s formulation protect the walls through the adsorption of a monomolecular film, which makes it possible to avoid any contact between the water and the metal

surfaces of the system, without disrupting the heat exchanges. **ODYTHERM FS 500** is perfectly suited to closed circuits that contain sections in aluminum or aluminum alloy, buffering the pH at 7.2 to 8.2.



Aluminum Mold 7022

LOCATION:

More than 30 sites in France

CONTACT:

Technical Manager: Mr Nardelli

EQUIPMENT:

Closed circuit
Cooling of aluminum molds
Number of systems: > 100

DAILY PRODUCTION:

More than 15 million bottles per DAY.

