

# **FINEAMIN<sup>®</sup>**

*The FINEST way of water treatment!*



**Cooling Water**



# FINEAMIN® – the clean solution for cool water and cold water systems

In the industrial and energy production various types of cooling water systems are used for process cooling. The water-side treatment of those systems is especially important to avoid corrosion, deposits and damages which are caused by micro-organisms in the cooling water circuits. Because of a custom-made water chemical treatment the efficiency and the economic viability increases.



Our FINEAMIN® cooling water products are practical, economical and environment friendly. We offer more than 20 years of experience in this area and know-how of application of corrosion and fouling inhibitor as well as biocide for cooling water systems. Through an individual consulting, exact analysis and extensive customer service we can match the products optimally to the specifics of your cooling water system.

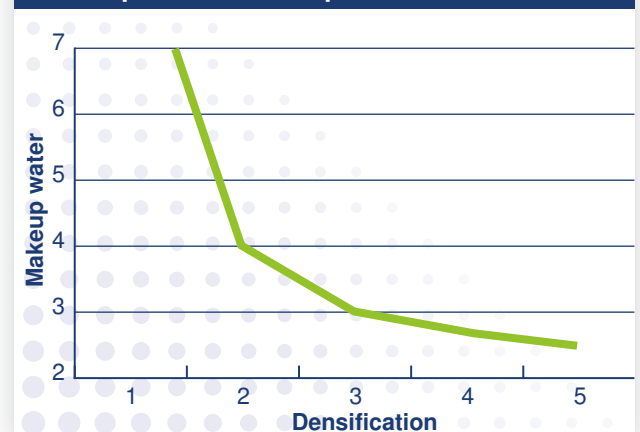
## Application area of our products among others:

- Open evaporative cooling systems
- Closed cooling or cold water systems
- Air scrubber
- Air conditions and cooling systems

## Products and technology for cooling water treatment

- Corrosion and fouling inhibitor for open and closed cooling water systems
- Product program for acid, neutral, alkaline and combined operation mode
- Products combination for alkaline earth, softened, decarbonized, low-salt and low-salt or saltfree makeup water
- Products for hardness stabilization dispersant and cleaning of cooling water systems
- Biocide for algae / bacteria control
- Bio disperser to eliminate biological deposits
- Treatment program against legionella
- Dosing technique for automatical dosing of inhibitor and biocide
- Measurement and control technique for control and monitoring of cooling water parameters (blow-down-automatics, conductivity, pH)

## Relationship between densification and makeup water consumption



With the application of FINEAMIN® densification can be usually be increased in open cool water systems which additionally decreases the makeup water consumption.

# FINEAMIN<sup>®</sup> saves costs and protects the environment

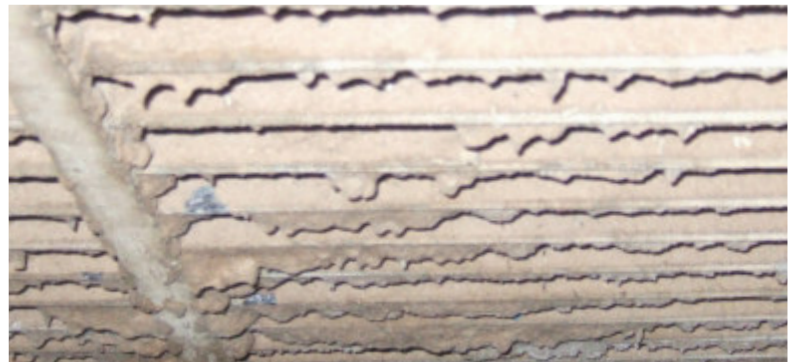
## Objectives of cooling water treatment with FINEAMIN<sup>®</sup>

- Optimization of corrosion protection
- Avoidance of deposits and organic growth
- Increase of reliability and durability of the facility
- Decrease of operation and maintenance costs
- Optimization of the heat transfer
- Increase of the densification consequently decrease water consumption
- Use of environment friendly technologies

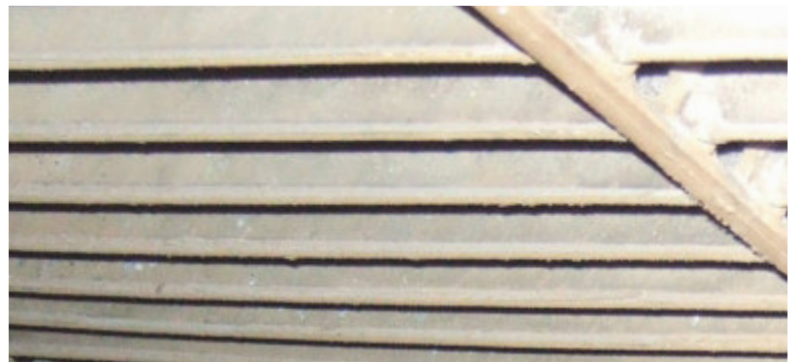
We pay attention to the environment impact of our products. The FINEAMIN<sup>®</sup>- technology provides our customers with environmental friendly alternatives to conventional chemical treatment.

## Our products are:

- Free from inorganic phosphate ingredients
- Free from heavy metal ingredients
- Free from AOX and nitrite
- Partly easy biological-degradable
- Not or only slightly hazardous for water



Cooling tower with conventional chemical treatment



Cooling tower after the change to FINEAMIN<sup>®</sup>

## Advantages of FINEAMIN<sup>®</sup> at a glance:

- Increases the reliability and durability of the facility
- Optimization and increase of capability
- Decreasing the costs of maintenance and operation
- Reliable protection against corrosion and deposits
- Application of environment friendly technologies

# Customer service: custom-made, personal at the face and from one



Each cooling system is different. Therefore we would like to get an idea of the local situation and talk with our customer before we advise a product.

- We offer a complex consulting and supervision in the areas of internal water treatment and water treatment in cooling water systems
- According to requirements we analyze the water at the face in our portable labor
- We check the water treatment and dosing technique and analyze deposits in the labor

- We discuss all relevant technical parameter with the customer and adjust it to our products
- We deliberate detailed on a matter of application, develop economic efficiency calculation by the change from conventional chemical treatment products FINEAMIN®
- We check and keep record of the plant condition (e.g. during the boiler opening) before and after the treatment with FINEAMIN®
- We train local staff
- We retrieve the empty drums

## References

et al. refinery, petro chemistry, power plant, steel industry, timber industry, paper industry, chemical industry, pharmacy, printing plant, food industry, buliding service, air conditioning technology

Product example: FINEAMIN 95T, 94, 19; FINEALGA M; bio disperser BOD



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