

Cetamine® F360

An organic product for protecting cold and hot water closed systems containing aluminium

APPLICATION

Cetamine® F360 is an organic product that protects hot water, cooling and chilled water systems from corrosion and scale formation by forming a protective film. Available in Cetamine® F360, polyamines form a protective film that creates a barrier between the dissolved oxygen and the metal surface, thus preventing corrosion. When using Cetamine® F360 in closed systems, the pH is kept at the level of 7.0 - 8.5, thus stopping the corrosion of aluminum due to the speed of passivation process. The amines, contained in Cetamine® F360, modify the crystalline chain of calcium carbonates to form an anti-corrosion layer.

SPECIFICATION

Cetamine® F360 is a liquid product consisting of a specific copper inhibitor and film-forming amines.

Form:	yellowish liquid with a smell of amines
Density (20 °C/68 °F):	1,00 ± 0,03 g/cm ³
pH (in a deionized 1% solution):	8,9 ± 0,3
Freezing point:	0 °C

IMPACT ON THE ENVIRONMENT

Please read the safety data sheet.

ACTION

During the treatment polyamines form a polyamine film on the metal surface, which creates a barrier between water and metal. The film reduces the oxygen flow rate to the metal surface by 90%, thus reducing corrosion.

Copper protection from corrosion is achieved by the copper inhibitor in the product. In addition, the amine film changes the crystal chain of calcium carbonate, preventing it from fixing to the metal surface.

DOSAGE

The exact dosage of the product depends on many factors: concentration coefficient, chloride concentration and time index. It is usually recommended to keep in cycling water the dosage of 5 l/m³.

USAGE

The Cetamine® F360 is sprayed directly into the circulation system. The feed water treatment is made by an automatic dosing system that regulates the product flow according to the quantity of feed water. In this case, we recommend using EPDM sealants, Teflon diaphragm, PVC suction pumps and PE outlet pipes. The product is not compatible with Viton. Cetamine® F360 should be used undiluted. Cetamine® F360 is designed for professional use.

ANALYTICAL ANALYSIS

The quantity of Cetamine® F360 is determined according to the concentration of polyamines, using the titration or photometric method. The amount of polyamines must be kept at least 2g/m³.

STORAGE

The Cetamine® F360 should be stored at room temperature in tightly closed bins.

SAFETY

Please read the safety data sheet. The expiry date of the product is indicated on the packaging label.