

Reference : FT500 revision A
Date : 12/03/2024

Organic Corrosion Inhibitor
Water-based metal coatings

FUNCTION

Ready-to-use **multifunctional** organic liquid additive for metal coatings ; it combines an active **corrosion inhibition** with an **adhesion promotion** and a reinforcement of the film's **water resistance**. It can be used to **replace** powder-form anticorrosion pigments or to **enhance** their performance through synergistic mechanisms.

APPLICATION

The ASCONIUM®-500 can be added to any type of liquid metal coating for industrial, professional or do-it-yourself use, primers or direct-to-metal systems. It has been specifically designed for water-based formulations based on acrylic, alkyd, epoxy and PU binders, both pigmented and clear-coatings. It is suitable for ferrous and non-ferrous substrates.

FEATURES



LOW USE DOSAGES



HEAVY METAL-FREE



EASY TO INTRODUCE



IMPROVES COATING'S **WATER RESISTANCE**



VOC-FREE



MULTI-METAL PROTECTION



IMPROVES PAINT **ADHESION**



SUITABLE FOR **HIGH GLOSS** DTM



COMPATIBLE WITH MOST BINDERS

INCORPORATION / DOSAGE

The ASCONIUM®-500 is easy to incorporate into the paint formulation, without any pre-dilution into a solvent or pre-neutralization with an amine.

It can be indifferently added to the mill-base or the let-down stage. A post-addition is also possible.

In **2K Epoxy coatings**, the additive should be added to the hardener part.

Indicative use dosages (% of total coating weight) :

- **0,8 to 1,5%** into 1K formulations.
- **0,5 to 1,0%** into 2K epoxy coatings.
- **1,0 to 2,0%** into 2K Acrylic/PU coatings

PROPERTIES

Chemical nature :

Amine derivatives mixture.

Appearance : yellow-amber limpid liquid.

Density (20°C) : 1,11 ± 0,02

Viscosity (20°C) : ~300 cps

PACKAGING

Plastic pail of **26kg** net.

Metal drum of **185kg** net.

STORAGE

Ideal **temperature conditions**: -5 to 30°C.

Exposure : avoid direct exposure to sunlight.

Important recommendation : close the container tightly after each use.

Expiration : 24 months in its original sealed drum, in the storage conditions described above.

With time, the colour of the product may turn darker, but it does not modify its properties.

TRANSPORT

The product is classified for transport (see MSDS).

Weight and packaging size* (off-pallet) :

Pail : 1,5kg - Ø30, H50

Drum : 15kg - Ø60, H90

HANDLING / SECURITY

Refer to updated Material and Safety Data Sheet.

* : non contractual data

Note : The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests ; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

