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Organic Corrosion Inhibitor
Metal coatings

FUNCTION

Replaces mineral anticorrosion pigments or **improves** their performance in waterborne or solventborne metal coatings.

Hydrophobic agent improving dry-films' water resistance.

APPLICATION

Any type of liquid metal coating for **industrial, professional** or **do-it-yourself** use, especially primers or direct-to-metal systems based on :

- Alkyds, solventborne/waterborne
- PU 1K/2K, waterborne/solventborne

FEATURES

- **Ready-to-use** liquid
- **Heavy metal free**
- **Low** use-dosages
- **Does not reduce** paint gloss
- Improves the coating's **blistering resistance**
- Improves the **coating's adhesion** to the metal substrate
- Usable on **ferrous** and **non-ferrous** substrates
- Provides good **stability/homogeneity** to the coating

INCORPORATION / DOSAGE

Depending on the system, will be added during the **dispersion step** (mill-base), or will be added into the **let-down** (see the ASCONIUM Technical Notice).

When it **replaces** anticorrosion pigments, the **reduced PVC** should be **balanced** with fillers used in the paint formulation.

In **2K systems**: should be added to the **resin** part for PU coatings, to the **hardener** for epoxy coatings (compatibility to be checked with preliminary testing).

Indicative use dosages (% of total coating weight) :

- **1 to 3%** when used as **sole** anticorrosion agent.
- **0,8 to 2%** when used in **synergy** with other anticorrosion agents.

* : non contractual data

PROPERTIES

Chemical nature :

Preparation made of amine derivatives in solution, into methoxypropoxypropanol (DPM).

Appearance : yellow to amber limpid liquid.

Density (20°C) : 0,96 ± 0,02

Viscosity (20°C) : < 30 cps

Freezing point : < -10°C

Flash Point : approx. 75°C

Miscibility :

Water :	miscible
Ethanol :	miscible
Isopropanol :	miscible
Ethylene glycol :	miscible up to 5%
Butylglycol :	miscible
DPM :	miscible
MEK :	miscible
Acetone :	miscible

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 : tightly seal the container after each use.

Expiration : 2 years 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.

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.

