

FUNCTION

Liquid additive for waterborne coatings. Reacts with metal cations to form stable organic complexes chemically bonded on the metal substrates, providing a stable and effective chemical passivation.

APPLICATION

ASCOTRUST-X4 is added to waterborne coatings directly applied on rusted or poor-prepared ferrous substrates. It ensures an effective blocking effect on residual rust, and avoids its migration through the fresh paint film.

Its passivation properties on rust allow to maintain good anticorrosion performances of the coatings, despite the adverse substrate conditions.

It doesn't compromise the coating anticorrosion performance on non-rusted substrates.

ASCOTRUST-X4 is designed for any kind of waterborne coatings, pigmented or not, based on various binder technologies : acrylic, alkyd, epoxy, PU...

It is recommended to use an organic-type anticorrosion agent when ASCOTRUST-X4 is added to a metal paint formulation.

FEATURES

- **Ready-to-use** and **easy to incorporate** liquid
- **VOC-free**
- **Compatible with most** waterbased binders
- **Eco-friendly*** additive
- **Synergic action** with antirust additives
- **Doesn't change color** of coatings

INCORPORATION / DOSAGE

ASCOTRUST-X4 is preferably added at the last manufacturing step (post-addition).

In **2K PU systems**: should be added into the **resin** part.

In **2K Epoxy systems**: ASCOTRUST-X4 should be added to the hardener (amine part).

Indicative use dosages (% of total coating weight) :

- **0,5 to 3%** depending on the coating formulation. The dosage can reach 5% into primers or one coat systems, applied on highly reactive rusted substrates, at low DFT (<40-50 µm).

It is advisable to determine the optimum amount by a laboratory test.

TECHNICAL DATA

Chemical nature :

Aqueous solution of metal chelating agents. Tannic acid-free.

Appearance : pale yellow limpid liquid.

Density (20°C) : 1,15 ± 0,02

pH pure (20°C) : 6,2 ± 0,3

Viscosity (20°C) : < 30 cps

Freezing point : < 0°C

VOC** : 0%

Miscibility :

Miscible in water, ethylene glycol, glycerol.

Non miscible in alcohol, butyl glycol, DPM, MEK

PACKAGING

Plastic pail of **30kg** net.

Metal drum of **200kg** net.

IBC of **1000 kg** net.

STORAGE

Ideal temperature conditions: 0 to 30°C.

Expiration : 1 year in its original closed drum, in storage conditions described above.

Some crystals may form when ASCOTRUST is stored at temperatures below -5°C for several days. Product will recover its initial properties after warming at ambient temperature.

TRANSPORT

No specific condition for transport.

Brut packaging weight and size*** (off-pallet) :

Pail : 31,5 kg - Ø30, H50

Drum : 220 kg - Ø60, H90

IBC : 1060 kg - L120, l100, H120

HANDLING / SECURITY

Refer to updated Material and Safety Data Sheet.

* : complies with main environmental-friendly labels. Details on request.

** : according to directive 2004-42-CE

*** : 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.

