

## 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-X1 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-X1 is mainly designed for waterborne white or colored pigmented coatings, based on various binder technologies : acrylic, alkyd, epoxy, PU...

It is recommended to use an organic-type anticorrosion agent when ASCOTRUST-X1 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-X1 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**: preliminary tests should be performed to determine in which part ASCOTRUST-X1 should be added.

Indicative use dosages (% of total coating weight) :

- **1 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)** : 1,17 ± 0,02

**pH pure (20°C)** : 7,2 ± 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 0°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

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