

Agropox Intermediate

2K-EP intermediate and top coat



Product description

Description/Material	2-component intermediate and top coat, contains micaceous iron oxide.
Purpose	Anticorrosive intermediate and top coat for steel and as holding primer on correctly prepared galvanized steel.
Properties	Fast-drying, free of lead and chromate. Overcoatable with all solvent-containing 2-component top coats from our product range.
Colors	<ul style="list-style-type: none"> ■ Hellgrau (light grey) ■ Rotbraun (red brown)
Packaging / container sizes	30 kg (incl. component B).
Storage	Storable in perfectly sealed original containers, dry and cool, for 2 years.
Quality assurance	High quality products require strict control of raw materials and their processing. In-house chemists ensure this quality from receipt to exit of the goods. AvenariusAgro produces according to the TÜV-approved and certified quality management system ISO 9001-2015 and was awarded with the Responsible Care certificate.

Technical data

Consumption	<ul style="list-style-type: none"> ■ Theoretical: 0,16 kg/m² for 60 µm DFT. ■ Practical: approx. 0,24 kg/m² for 60 µm DFT.
Recommended film thickness	Recommended are 60 – 100 µm (depending on the method of application), 60 µm dry film thickness, equal to 110 µm wet film thickness.
Mixing ratio	<ul style="list-style-type: none"> ■ 5 parts by weight comp. A 1 part by weight comp. B ■ 5 parts by volume comp. A 2 part by volume comp. B
Density	Approx. 1,5 kg/l.
Pot life	<ul style="list-style-type: none"> ■ At 10°C: approx. 24 hours. ■ At 20°C: approx. 16 hours. ■ At 30°C: approx. 8 hours.
Solids content	<ul style="list-style-type: none"> ■ By weight: 73 %. ■ By volume: approx. 55 % (DIN 53219).
Flash point	<ul style="list-style-type: none"> ■ Component A: 23°C. ■ Component B: 25°C. ■ Mixed material: 24°C.
Drying	According to DIN 53150, for 60 µm dry film thickness, at 23°C: <ul style="list-style-type: none"> ■ Degree of dryness 1: 30 min. ■ Degree of dryness 4: 2 hours.
VOC	See safety data sheets.
Thinner	Verdünnung 224.

Resistance

Chemical	Industrial atmosphere, flue gases, diluted inorganic acids, diluted caustic solutions and salt solutions. Not for permanent exposure to underwater or condensation water.
Mechanical	High strength, impact-resistant.
Weather	At UV load minor chalking of the surface and color changes are possible.
Temperature	Dry: up to 120 °C, for a short time up to 150 °C.

Processing

Surface preparation	<ul style="list-style-type: none"> ■ Steel: The surface has to be dry and free of fat, oil, dirt and dust. Sandblasting Sa 2½ (EN ISO 8501-1). ■ Galvanized steel: The surface has to be dry and free of fat, oil, dirt and dust. Remove white rust (grinding or sweep-blasting).
Coating proposal	<ul style="list-style-type: none"> ■ Steel: 1 x Agropox Primer or Agropox UHS Primer, 1 x Agropox Intermediate. ■ Galvanized steel: 1 - 2 x Agropox Intermediate. ■ Recommended top coats: Agropox HS Color, Agropox 245, Agropur EG, Agropur MG, Agropur Color, Agropur HS Color Rapid, Agropur UHS 80.
Material preparation	Mix component A and B thoroughly at specified mixing ratio. Mix only the quantity, which can be applied within the pot life.
Processing temperature	Do not work below +5 °C and not above 80 % relative humidity, dew point distance at least 3 °C.
Application	<ul style="list-style-type: none"> ■ Brush. ■ Roller. ■ Airless spray application (spray nozzle pressure 160 – 200 bar, nozzle size 0,38 – 0,48 mm). ■ Thinner: at low temperatures add max. 3 %, for airless spray application add max. 5 % Verdünnung 224 (Thinner 224).
Waiting periods	At least 1 hour, max. 3 months. Depending on temperature and drying-conditions. If necessary, the surfaces have to get cleaned. Grinding of the surfaces is necessary after longer waiting times or UV load.
Coating over old coats	Old Epoxy- or Polyurethane-coatings: grinding or sweep-blasting, free of dust. When in doubt, coating a test area is recommended.
Cleaning tools	Verdünnung 224 (Thinner 224). If not in continuous use, clean tools within the pot life.

Regulation governing chemicals

Disposal	Special waste incineration or problematic waste collection points. Do not dispose of together with household waste. Do not allow to enter drainage systems, the soil or water courses. Dispose soiled packaging in the same way as the product itself.
Safety Data Sheet	The safety Data Sheet may be accessed at http://www.avenariusagro.at

Technical Information: Agropox Intermediate, status: 10 / 2016

These technical data were compiled based on state of the art technology and our experience. Due to the many different substrates and conditions of the coated objects, we accept no liability for the technical information provided. The information therefore does not release the buyer / user from his responsibility to professionally test our materials for suitability for his envisaged application, under his pertinent conditions. The validity of this data sheet shall expire following the release of a revised / new PDF version.

Technical advice

Addressing all substrates found in practice and the treatment required when applying this product is beyond the scope of this data sheet. Our technical advisers will gladly assist you with additional detailed information relevant to your specific project.

Avenarius-Agro GmbH

Head office & factory: Industriestraße 51, A-4600 Wels, Telefon: +43/7242/489-0, Telefax: +43/7242/489-5700, Internet: www.avenariusagro.at, E-Mail: office@avenariusagro.at
Vienna branch: A-1110 Wien, Sofie-Lazarsfeld-Str. 10, Tel.: 01 / 201 463 072, Fax: 01 / 20 1 46 - 3075, E-Mail: wien@avenariusagro.at