

Agropox UHS Intermediate

2K-EP intermediate and top coat, high solid



Product description

Description/Material	Thick film, high solid, 2-component intermediate and top coat.
Binding material / active substances	Based on epoxy resin, contains micaceous iron oxide.
Purpose	Anticorrosive intermediate and top coat for steel and as holding primer on correctly prepared galvanized steel.
Properties	Fast-drying, high solid, low VOC content, 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: 0,18 kg/m² for 80 µm DFT. ■ Practical: ca. 0,27 kg/m² for 80 µm DFT.
Recommended film thickness	Recommended are 80 – 180 µm (dependent on the method of application), 80 µm dry film thickness, equal to 110 µm wet film thickness.
Mixing ratio	<ul style="list-style-type: none"> ■ 9 parts by weight comp. A 1 part by weight comp. B ■ 5 parts by volume comp. A 1 parts by volume comp. B
Density	Approx. 1,60 kg/l (dependent on color).
Pot life	<ul style="list-style-type: none"> ■ At 10°C: ca. 6 hours. ■ At 20°C: ca. 3 hours. ■ At 30°C: ca. 2 hours.
Solids content	<ul style="list-style-type: none"> ■ By weight: 84 %. ■ By volume: ca. 72 % (DIN 53219).
Flash point	<ul style="list-style-type: none"> ■ Component A: 28°C. ■ Component B: 30°C. ■ Mixed material: 28°C.
Drying	According to DIN 53150, for 80 µm dry film thickness, at 20°C: <ul style="list-style-type: none"> ■ Degree of dryness 1: 1 hour. ■ Degree of dryness 4: 4 hours.
VOC	Acc. 2004/42/EG, color shade HELLGRAU: 275 g/l (Kat. A/D/SB).
Thinner	Verdünnung 224.

Resistance

Chemical	Good resistance against 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 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), for outdoor areas sweep-blasting is necessary.
Coating proposal	<ul style="list-style-type: none"> ■ Steel: 1 x Agropox UHS Primer or Agropox Primer, 1 x Agropox UHS Intermediate. ■ Galvanized steel: 1 - 2 x Agropox UHS Intermediate. ■ Recommended top coats: Agropox 245, Agropur EG, Agropur MG, Agropur Color.
Material preparation	Mix component A and B thoroughly at specified mixing ratio. Mix only the quantity, which can be applicated 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 24 hour, max. 3 months. Depending on temperature and drying-conditions. Before overcoating, any inherent or foreign impurities must be removed. After longer time periods or after outdoor UV-exposure, a suitable surface preparation is absolutely necessary.
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. If the surface gets partially overcoated, then make a color comparison in advance.
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 UHS Intermediate, status: 05 / 2024

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.

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