

Agropox 250 EG

2-component-epoxy - thick-film - coat



Product description

Description/Material	2-component, robust, premium, thick-film anticorrosive coat.
Binding material / active substances	Based on epoxy resin, contains micaceous iron oxide.
Purpose	As a versatile overcoatable intermediate or top coat for all kinds of steel construction, indoors and outdoors, for example bridges, pipelines, tanks or hall constructions. Excellent adhesion on galvanized steel under dry conditions.
Properties	The coating is tough-hard, but not brittle. Largely impact and strike resistant. Especially suitable as intermediate coat in the Agropox-system under PUR-top coats.
Colors	According to DB - micaceous iron oxide – color chart.
Test certificates / Approvals	Report from Prüfanstalt Wien (test institute Vienna), MA 39.
Packaging / container sizes	<ul style="list-style-type: none"> ■ 5 kg (incl. component B). ■ 25 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: 0,19 kg/m² for 60 µm DFT. ■ Practical: approx. 0,26 kg/m² for 60 µm DFT. ■ Theoretical: 0,25 kg/m² for 80 µm DFT. ■ Practical: approx. 0,35 kg/m² for 80 µm DFT.
Recommended film thickness	<ul style="list-style-type: none"> ■ 60 µm dry film thickness, equal to 120 µm wet film thickness. ■ 80 µm dry film thickness, equal to 160 µm wet film thickness.
Mixing ratio	85 parts by weight comp. A 15 parts by weight comp. B
Density	1,57 kg/l.
Pot life	<ul style="list-style-type: none"> ■ At 10°C: approx. 10 hours. ■ At 20°C: approx. 8 hours. ■ At 30°C: approx. 6 hours.
Solids content	By volume: 50 % (DIN 53219) all color shades except RAL 9006.
Flash point	<ul style="list-style-type: none"> ■ Component A: 30°C. ■ Component B: 32°C.
Drying	According to DIN 53150, for 80 µm dry film thickness, at 23°C: <ul style="list-style-type: none"> ■ Degree of dryness 1: 40 min. ■ Degree of dryness 4: 6,5 hours.
VOC	See safety data sheets.
Thinner	Verdünnung 224.

Resistance

Chemical	Wastewater, condensation water, diluted inorganic acids, diluted caustic solutions, fats and oils, occasionally exposure of solvents and fuels.
Mechanical	Very robust and highly resilient.
Weather	Industrial atmosphere, flue gases. At strong UV load slightly chalking of the surface is possible.
Temperature	<ul style="list-style-type: none"> ■ Dry: up to 150°C. ■ Wet: up to 80°C.
Hot water	Up to 80°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). Sweep-blasting is necessary for outdoor weathering with longer exposure to humidity, and for exposure to underwater or condensation water.
Coating proposal	<ul style="list-style-type: none"> ■ Steel: 1 - 2 x Agrozinc SW, Agrozinc ES, Agropox Minium or Agropox Phosphat, 1 - 3 x Agropox 250 EG. If light coloured or smoother surfaces are requested, the last coating layer can be done with Agropox 245. ■ For industrial water tanks (no drinking water) made of steel: 1 x Agrozinc SW, 2 x Agropox 250 EG, 1 x Agropox 245. ■ Coating on steel with high resistance against chalking and good color stability: 1 - 2 x Agrozinc SW or Agropox Minium, 1 - 2 x Agropox 250 EG, 1 x Agropur EG or Agropur Color. ■ Galvanized steel: Under dry conditions and outdoor weathering: 1 - 2 x Agropox 250 EG, additional PUR-top coat with 1 x Agropur EG or Agropur Color for higher resistance to weather and chalking, or if special color shades are requested.
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. Take care of good ventilation of the coated surface.
Application	<ul style="list-style-type: none"> ■ Brush. ■ Roller. ■ Airless spray application.
Waiting periods	<ul style="list-style-type: none"> ■ Between priming and top coat: at least 1 – 2 days. ■ Between Agropox 250 EG-coats and other coating materials: at least 1 day. Depending on temperature and drying-conditions. After longer waiting periods, the surface is recoatable after suitable surface preparation.
Final drying period	Dry after 12 hours. Full exposure to chemical and mechanical stress after 7 – 10 days. Exposure to underwater after 14 days.
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 250 EG, 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.

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