

Agropox 10 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 pigments.
Purpose	As a versatile overcoatable intermediate coat for all kinds of steel construction, indoors and outdoors, such as bridge constructions, pipelines, containers or hall constructions. Also useable as a primer for hydraulic steel structures under high-solid or solvent-free epoxy top coats. 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.
Colors	According to DB - micaceous iron oxide – color chart. DB 702: Stoff-Nr. 687.12 DB 703: Stoff-Nr. 687.13 DB 601: Stoff-Nr. 687.14
Test certificates / Approvals	According to TL/TP-KOR-Stahlbauten, Blatt 87. According to RVS 15.05.11.
Packaging / container sizes	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: 0,20 kg/m² for 80 µm DFT. ■ Practical: approx. 0,29 kg/m² for 80 µm DFT.
Recommended film thickness	80 µm dry film thickness, equal to approx. 125 µm wet film thickness.
Mixing ratio	9 parts by weight comp. A 1 part by weight comp. B
Density	1,6 kg/l.
Pot life	<ul style="list-style-type: none"> ■ At 10°C: approx. 12 hours. ■ At 20°C: approx. 8 hours. ■ At 30°C: approx. 5 hours.
Solids content	By volume: 64 % (DIN 53219) all color shades except RAL 9006.
Drying	Degree of dryness 6 according to DIN 53150, for 80 µm dry film thickness: <ul style="list-style-type: none"> ■ At 5°C: 12 hours. ■ At 23°C: 6 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). ■ Steel, for hydraulic steel structures at zinc-aggressive water: The surface has to be dry and free of fat, oil, dirt and dust. Sandblasting Sa 2½ (EN ISO 8501-1), If exposed to water: roughness (G) medium - Rz 60 µm, according to ISO 8503/1. Max. salt deposits 50 mg/m² (testing method DIN EN ISO 8502-6 or 8502-9). ■ 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: Primer: 1 - 2 x Agrozinc EP or Agrozinc SW, or 1 x Agropox Minium or Agropox Phosphat. Intermediate coat: 1 - 2 x Agropox 10 EG Top coat: 1 - 2 x Agropur EG, Agropur MG, Agropur Color, or Agropox 245. ■ Galvanized steel, under dry conditions or outdoor weathering: 1 x Agropox 10 EG, 1 x Agropur EG or Agropur Color. ■ Steel, for hydraulic steel structures at zinc-aggressive water: Surfaces in contact with water: Primer: 1 x Agropox 10 EG Top coats: 2 - 3 x Agrovan 209 (ST) or 2 - 3 x Agropox HS SW Surfaces in contact with air: Primer: 1 x Agropox 10 EG Intermediate coat: 1 - 2 x Agropox 250 EG Top coat: 1 - 2 x Agropur Color
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 Agrozinc EP/SW and Agropox 10 EG: at least 4 hours at 23 °C. ■ Between Agropox Phosphat / Agropox Minium and Agropox 10 EG: at least 1 day. ■ Between Agropox 10 EG-coatings: at least 1 day. ■ Between Agropox 10 EG and other coating materials: at least 1 day. ■ Between Agropox 10 EG and Agropox 245: at least 2 days. <p>Depending on temperature and drying-conditions. After longer waiting periods, the surface is recoatable after suitable surface preparation.</p>
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 10 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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