

Agropur Color

Polyurethane top coat



Product description

Description/Material	Glossy, 2-component polyurethane top coat, smooth surface.
Binding material / active substances	Polyurethane.
Purpose	Glossy top coat in optional colors. Coated on Agropox 10 EG or Agropox 250 EG for tough corrosion protection of steel and galvanized steel, decorative effect. Mainly for structural steelwork, for example bridges, pipelines, tanks or for industrial steel constructions. Corrosion protection for indoor and outdoor surfaces. Do not use for underwater areas of swimming pools.
Properties	Very high resistance against chalking, very high color stability and abrasion resistance.
Colors	According to RAL - color chart. The colors can divergence slightly depending on raw materials.
Test certificates / Approvals	According to ZTV-KOR-Stahlbauten, Blatt 87, Stoffnr. 687.75-99. According to RVS 15.05.11.
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 18 months. Partial quantities of opened containers have to be used up fast.
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: 0,13 kg/m² for 60 µm DFT. ■ Practical: approx. 0,20 kg/m² for 60 µm DFT.
Recommended film thickness	60 µm dry film thickness, equal to 100 µm wet film thickness.
Mixing ratio	85 parts by weight comp. A 15 parts by weight comp. B
Density	1,25 - 1,30 kg/l (dependent on color).
Pot life	<ul style="list-style-type: none"> ■ At 10°C: approx. 7 hours. ■ At 20°C: approx. 5 hours. ■ At 30°C: approx. 4 hours.
Solids content	By volume: 60 % (DIN 53219).
Flash point	<ul style="list-style-type: none"> ■ Component A: 27°C. ■ Component B: 39°C. ■ Mixed material: 27°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: 75 minutes. ■ Degree of dryness 4: 8 hours.
Gloss level	Glossy.
VOC	See safety data sheets.
Thinner	Verdünnung 65.

Resistance

Chemical	Good resistance against water, wastewater, seawater, fumes, de-icing salt, fumes of acid and caustic solutions, oils, fats and short term exposure to fuels and solvents.
Mechanical	The coating is tough-elastic and hard, but not brittle. Largely insensitive to knocks. Aluminium pigmented color shades (RAL 9006 and RAL 9007) are not wipe-proof.
Weather	Especially resistant to weather, very high resistance against chalking and very high color stability.
Temperature	<ul style="list-style-type: none"> ■ Dry: up to 150°C. ■ Wet: 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), for permanent exposure to underwater, for exposure to condensation water and for outdoor areas sweep-blasting is necessary.
Coating proposal	At bright or brilliant colors a second top coat can be necessary for perfect opacity. <ul style="list-style-type: none"> ■ Steel: 1 x Agropox Minium, Agrozinc EP or Agropox Phosphat, 1 - 2 x Agropox 250 EG or Agropox 10 EG, 1 x Agropur Color. ■ Galvanized steel: 1 x Agropox 250 EG or Agropox 10 EG, 1 x Agropur Color.
Material preparation	Stir up well component A. Then mix component A and B 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 (short-pile velour roller or foam roller; maybe the mentioned high film thickness will not be reached). ■ Airless spray application. ■ Thinner: to correct viscosity at low temperatures add max. 3 % Verdünnung 65 (Thinner 65).
Waiting periods	1 day. Depending on temperature and drying-conditions. After longer waiting periods, the surface is recoatable after suitable surface preparation.
Final drying period	Before exposure to water: <ul style="list-style-type: none"> ■ At 10°C: approx. 14 days. ■ At 20°C: approx. 10 days. ■ At 30°C: approx. 7 days. Take care of good ventilation of the coated surface.
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 65 (Thinner 65). 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: Agropur Color, 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