Agropur EG

Polyurethane top coat

Product description

Description/Material	2-component, satin-gloss top coat.
Binding material / active substances	Polyurethane, contains micaceous iron oxide.
Purpose	Top coat on Agropox 10 EG Neu, for tough corrosion protection of steel and galvanized steel, durable decorative effect. Mainly for bridges, pipelines, containers, industrial steel constructions, harbor installations, sewage management, corrosion protection for indoor and outdoor surfaces.
Properties	Very high resistance against chalking, very high color stability.
Colors	■ According to RAL - color chart ■ According to DB - micaceous iron oxide – color chart, Stoff-Nr. 687.30 - 687.74
Test certificates / Approvals	According to TL/TP-KOR-Stahlbauten, Blatt 87. According to RVS 15.05.11.
Packaging / container sizes	■ 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	■ Theoretical: 0,22 kg/m² for 80 µm DFT. ■ Practical: approx. 0,31 kg/m² for 80 µm DFT.
Recommended film thickness	80 µm dry film thickness, equal to 150 µm wet film thickness.
Mixing ratio	92 parts by weight comp. A 8 parts by weight comp. B
Density	1,4 kg/l ±0,2
Pot life	■ At 10 °C: approx. 7 hours. ■ At 20 °C: approx. 5 hours. ■ At 30 °C: approx. 4 hours.
Solids content	■ By volume: 53 % (DIN 53219).
Flash point	■ Component A: 33 °C. ■ Component B: 30 °C.
Drying	According to DIN 53150, for 80 µm dry film thickness, at 23 °C: ■ Degree of dryness 1: 45 min. ■ Degree of dryness 4: 7 hours. ■ Degree of dryness 6: 12 hours.
Gloss level	Satin-gloss.
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 and very abrasion resistant.
Weather	Especially resistant to weather, very high resistance against chalking and very high color stability.
Temperature	■ Dry: up to 150 °C. ■ Wet: up to 80 °C.

Processing

Surface preparation	■ 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 exposure to underwater or condensation water sweep-blasting is necessary.
Coating proposal	■ Steel: 1 x Agropox Minium, Agrozinc SW or Agropox Phosphat, 1 - 2 x Agropox 250 EG or Agropox 10 EG, 1 x Agropur EG. ■ Galvanized steel: 1 x Agropox 250 EG or Agropox 10 EG, 1 x Agropur EG.
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	■ Airless spray application. ■ Brush. ■ Roller (perhaps the specified high layer thicknesses will not be achieved) ■ Thinner: to correct viscosity at low temperatures add max. 3 % Verdünnung 65 (Thinner 65). In the case of different application methods (airless spraying / brushing / rolling), there will be optical color differences because of the micaceous iron oxide pigmentation.
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: ■ 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

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