

Agropur Tinting

2-component polyurethane top coat



Product description

Description/Material	2-component, semi-matt top coat.
Binding material / active substances	Polyurethane.
Purpose	Topcoat on Agropox Primer, Agropox Phosphat, Agropox Filler 60, or equal, for corrosion protection of steel and galvanized steel for indoor and outdoor surfaces, with durable decorative effect.
Properties	High resistance against chalking, very high color stability. Tintable with suitable color pastes.
Colors	Basis white, halfwhite and transparent; tintable with suitable color pastes.
Packaging / container sizes	<ul style="list-style-type: none"> ■ 11 kg (incl. component B). ■ 27,5 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: approx. 0,19 kg/m² for 80 µm DFT (depending on color shade). ■ Practical: approx. 0,27 kg/m² for 80 µm DFT (depending on color shade).
Recommended film thickness	80 µm dry film thickness, equal to approx. 140 µm wet film thickness (depending on color shade).
Mixing ratio	10 parts by weight comp. A 1 part by weight comp. B
Density	Approx. 1,3 kg/l (depending on color shade).
Pot life	<ul style="list-style-type: none"> ■ At 10°C: approx. 8 hours. ■ At 23°C: approx. 6 hours. ■ At 30°C: approx. 4 hours.
Solids content	By volume: approx. 57 % (DIN 53219), depending on color shade.
Drying	According to DIN 53150, for 80 µm dry film thickness, at 23 °C: <ul style="list-style-type: none"> ■ Degree of dryness 1: approx. 45 min. ■ Degree of dryness 4: approx. 4 hours. ■ Degree of dryness 6: approx. 8 hours.
Gloss level	Semi-matt.
Thinner	Verdünnung 65.

Resistance

Chemical	Good resistance against water, wastewater, seawater, fumes, de-icing salt, occasionally 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	Good resistance against weather, high resistance against chalking and 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 outdoor areas sweep-blasting is necessary.
Coating proposal	<p>At bright or brilliant colors a second top coat can be necessary for perfect opacity.</p> <ul style="list-style-type: none"> ■ Steel: (C3-medium): 1 x Agropox Primer, Agropox Phosphat, Agropox Filler 60, or equal, 1 - 2 x Agropur Tinting. ■ Galvanized steel: 1 x Agropox Primer or Agropox Filler 60, 1 - 2 x Agropur Tinting.
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. ■ Airless spray application. ■ Thinner: to correct viscosity at low temperatures add max. 3 % Verdünnung 65 (Thinner 65).
Waiting periods	<ul style="list-style-type: none"> ■ Between prime coat and Agropur Tinting: see Technical Information of the primer. ■ Between top coats with Agropur Tinting: at least 16 hours. <p>Depending on temperature and drying-conditions. After longer waiting periods, the surface is recoatable after suitable surface preparation.</p>
Final drying period	<ul style="list-style-type: none"> ■ At 10 °C: approx. 10 days. ■ At 20 °C: approx. 7 days. ■ At 30 °C: approx. 5 days. <p>Take care of good ventilation of the coated surface.</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. 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 Tinting, 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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