

Agropur 2K Acryllack



Product description

Description/Material	Fast-drying, 2-component top coat.
Binding material / active substances	Polyurethane.
Purpose	Mainly as coating for utility vehicles, machines and equipment, such as tractors, trucks, communal vehicles, construction vehicles, agricultural machines etc.
Properties	High-gloss, very high resistance against chalking, very high color stability, optimal gloss durability, high hardness and scratch resistance.
Colors	According to RAL - color chart. The colors can diverge slightly depending on raw materials.
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: 0,10 kg/m² for 40 µm DFT. ■ Practical: ca. 0,15 kg/m² for 40 µm DFT.
Recommended film thickness	40 µm dry film thickness, equal to 90 µm wet film thickness.
Mixing ratio	<ul style="list-style-type: none"> ■ 2,5 parts by weight comp. A (Agropur 2K Acryllack Teil A) 1 part by weight comp. B (Agropur Acryl Härter lang) ■ 2 parts by volume comp. A (Agropur 2K Acryllack Teil A) 1 part by volume comp. B (Agropur Acryl Härter lang)
Density	Approx. 1,1 kg/l (dependent on color).
Pot life	<ul style="list-style-type: none"> ■ At 10°C: ca. 12 hours. ■ At 20°C: ca. 6 hours. ■ At 30°C: ca. 3 hours.
Solids content	<ul style="list-style-type: none"> ■ By weight: ca. 50 % (dependent on color). ■ By volume: ca. 44 % (DIN 53219).
Flash point	<ul style="list-style-type: none"> ■ Component A: 25°C. ■ Component B: 38°C.
Drying	According to DIN 53150, for 40 µm dry film thickness, at 23°C: <ul style="list-style-type: none"> ■ Degree of dryness 1: 30 min. ■ Degree of dryness 4: 4 hours. ■ Degree of dryness 6: 12 hours.
Gloss level	High-gloss.
VOC	See safety data sheets.
Thinner	Verdünnung 65.

Resistance

Chemical	Good resistance against water, de-icing salt, occasionally fumes of acid and caustic solutions, oils, fats and short term exposure to fuels.
Mechanical	The coating is tough-elastic and hard, but not brittle. Largely insensitive to knocks and very abrasion resistant.
Weather	Resistant to weather, very high resistance against chalking and very high color stability.
Temperature	Dry: up to 150°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. ■ Aluminium: The surface has to be dry and free of fat, oil, dirt and dust. Grinding or sweep-blasting, 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 - 2 x Agropox Filler 70, 1 - 2 x Agropur 2K Acryllack. ■ Galvanized steel and aluminium: 1 x Agropox Filler 70, 1 - 2 x Agropur 2K Acryllack.
Material preparation	Stir up well component A. Then mix component A and B at specified mixing ratio. Mix only the quantity, which can be applied within the pot life.
Processing temperature	Do not work below +8°C and not above 80 % relative humidity, dew point distance at least 3°C.
Application	<ul style="list-style-type: none"> ■ Airless spray application. ■ Air spray application: Spray viscosity: 18 – 22 sec / DIN 4 mm cup; Thinner: add ca. 10 %; Spray pressure: 4 – 5 bar.
Waiting periods	<ul style="list-style-type: none"> ■ Between priming coats, and between priming and top coat: - if Agropox Filler 70 is used: at least 1 hour, max. 3 days. ■ Between top coats: at least 4 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: ca. 14 days. ■ At 20°C: ca. 10 days. ■ At 30°C: ca. 7 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 2K Acryllack, status: 09 / 2023

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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