Agropox Phosphat

Anticorrosive primer

Product description

Description/Material	Thick film, 2-component anticorrosive primer.
Binding material / active substances	Based on epoxy resin, contains zinc phosphate.
Purpose	Anticorrosive primer for steel constructions, which are exposed to weather or chemical aggressive industrial or sea atmosphere, like bridges, pipelines, tanks, industrial and harbour constructions, steel structures in the sector of wastewater and clarification plants.
Properties	Eco-friendly, because free of lead and chromate. Overcoatable with Agropox 245, Agropox 250 EG and Avertol Epotar.
Colors	■ Hellgrau (light grey) ■ Rotbraun (red brown), Stoff-Nr. 687.06 ■ Sandgelb (sand yellow), Stoff-Nr. 687.02
Test certificates / Approvals	According to TL/TP-KOR-Stahlbauten, Blatt 87.
Packaging / container sizes	■ 5 kg (incl. component B). ■ 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	■ Theoretical: 0,20 kg/m² for 80 µm DFT. ■ Practical: approx. 0,28 kg/m² for 80 µm DFT.
Recommended film thickness	80 µm dry film thickness, equal to 125 µm wet film thickness.
Mixing ratio	90 parts by weight comp. A 10 parts by weight comp. B
Density	Approx. 1,65 kg/l.
Pot life	■ 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).
Flash point	■ Component A: 23 °C. ■ Component B: 25 °C. ■ Mixed material: 24 °C.
Drying	According to DIN 53150, for 80 µm dry film thickness, at 23 °C: ■ Degree of dryness 1: 60 min. ■ Degree of dryness 4: 6,5 hours.
VOC	See safety data sheets.
Thinner	Verdünnung 224 (Thinner 224).

Resistance

Chemical	Industrial atmosphere, flue gases, diluted inorganic acids, diluted caustic solutions and salt solutions, many solvents. Not for permanent exposure to underwater or condensation water.
Mechanical	High strength, impact-resistant.
Temperature	■ Dry: up to 100 °C, for a short time up to 150 °C. ■ Wet: up to 60 °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 outdoor areas sweep-blasting is necessary.
Coating proposal	1 – 2 x Agropox Phosphat. Suitable top coats: Agropox 245, Agropox 250 EG, Agropox 10 EG, Avertol Epotar. For permanent exposure to underwater or condensation water we suggest the primer Agrozinc SW.
Material preparation	Mix component A and B thoroughly 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	■ Brush. ■ Roller. ■ Airless spray application (spray nozzle pressure 160 – 200 bar, nozzle size 0,38 – 0,48 mm). ■ Thinner: at low temperatures add max. 3 %, for airless spray application add max. 5 % Verdünnung 224 (Thinner 224).
Waiting periods	■ Between priming coats: at least 12 hours, max. 6 months (the surfaces have to get cleaned). ■ Between priming and top coat: 1 – 3 days, max. 6 months (the surfaces have to get cleaned). Depending on temperature and drying-conditions. After longer waiting periods, the surface is recoatable after suitable surface preparation.
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

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