

Agropox Phosphat

Anticorrosive primer



Product description

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| 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 for example with Agropox 245, Agropox 250 EG or Agropox 10 EG. |
| Colors | <ul style="list-style-type: none"> ■ 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 | <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 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

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| Consumption | <ul style="list-style-type: none"> ■ Theoretical: 0,20 kg/m² for 80 µm DFT. ■ Practical: ca. 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 | 1,6 kg/l. |
| Pot life | <ul style="list-style-type: none"> ■ At 10°C: ca. 12 hours. ■ At 20°C: ca. 8 hours. ■ At 30°C: ca. 5 hours. |
| Solids content | <ul style="list-style-type: none"> ■ By volume: 64 % (DIN 53219). |
| Flash point | <ul style="list-style-type: none"> ■ 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: <ul style="list-style-type: none"> ■ Degree of dryness 1: 60 min. ■ Degree of dryness 4: 6,5 hours. |
| VOC | See safety data sheets. |
| Thinner | Verdünnung 224 (Thinner 224). |

Resistance

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| 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 | <ul style="list-style-type: none"> ■ Dry: up to 120°C, for a short time up to 150°C. ■ Wet: up to 60°C. |

Processing

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| 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 | 1 – 2 x Agropox Phosphat. Suitable top coats are for example: Agropox 245, Agropox 250 EG or Agropox 10 EG. 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 | <ul style="list-style-type: none"> ■ 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 | <ul style="list-style-type: none"> ■ 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). |
| Coating over old coats | Depending on temperature and drying-conditions. Before overcoating, any inherent or foreign impurities must be removed. After longer time periods or after outdoor UV-exposure, a suitable surface preparation is absolutely necessary. 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

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| 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 advice