Agropox Alu Primer

Surface tolerant 2K-EP primer

Product description

Description/Material	Thick film, high solid, hardening at low temperatures, 2-component anticorrosive primer with excellent surface wetting.
Binding material / active substances	2-component anticorrosive coat, based on epoxy resin, contains zinc phosphate, and contains pigments of aluminium and micaceous iron oxide to improve the barrier effect.
Purpose	Anticorrosive primer for steel and as primer on correctly prepared galvanized steel and aluminium, indoors and outdoors. Especially for maintenance and repair on appropriately prepared surfaces in areas over water (atmospheric), such as tanks, chemical plants, power plants, bridges, buildings, or steel structures in coast range. Suitable for manual derusted surfaces, where an optimal surface preparation is not possible or economical, and also for surfaces prepared by wet blasting or high pressure water jetting.
Properties	Surface tolerant, fast-drying, high solid, low VOC content, free of lead and chromate.
Colors	Silbergrau (silver-grey).
Packaging / container sizes	24 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: 0,16 kg/m² for 80 µm DFT. ■ Practical: approx. 0,24 kg/m² for 80 µm DFT.
Recommended film thickness	80 µm dry film thickness, equal to 105 µm wet film thickness. Recommended are 80 – 160 µm in one working step (also differing, depending on the method of application and the requirements).
Mixing ratio	■ 7 parts by weight comp. A 1 part by weight comp. B ■ 4 parts by volume comp. A 1 part by volume comp. B
Density	Approx. 1,5 kg/l.
Pot life	■ At 10°C: approx. 6 hours. ■ At 20°C: approx. 3 hours. ■ At 30°C: approx. 2 hours.
Solids content	■ By weight: 84 %. ■ By volume: 75 % (DIN 53219).
Flash point	■ Component A: 28°C. ■ Component B: 30°C. ■ Mixed material: 28°C.
Drying	According to DIN 53150, for 80 µm dry film thickness, at 20°C: ■ Degree of dryness 1: 1 hour. ■ Degree of dryness 4: 4 hours.

VOC	See safety data sheets.
Thinner	Verdünnung 224.

Resistance

Chemical	Good resistance against industrial atmosphere, diluted inorganic acids, diluted caustic solutions and salt solutions. Resistant to temporary condensation water. Not for permanent exposure to underwater or condensation water.
Mechanical	High strength, impact-resistant.
Temperature	Dry: permanent up to 150°C, for a short time up to 200°C.

Processing

Surface preparation	■ **Steel:** The surface has to be dry and free of fat, oil, dirt and dust. Ideal surface preparation: Sandblasting Sa 2½ (EN ISO 8501-1). Atmospheric loaded surfaces: at least mechanical derusting or manual derusting St 2 (EN ISO 8501-1), remove cinder all-over. High pressure water jetting until compatible and well adhering old coats or steal with roughened surface, degree of preparation at least Wa 2 (ISO 8501-4:2006), Flugrostgrad M (degree of flash rust M). For intact old coatings the transition areas need to be adjusted and the compatibility has to be proved (coating a test area). ■ **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. Roughen by grinding or sweep-blasting, for outdoor areas sweep-blasting is necessary. On anodised aluminium there are generally adhesion problems. Clarify adhesion by preliminary tests.
Coating proposal	1 – 2 x Agropox Alu Primer. Recommended top coats if necessary: Agropox 10 EG, Agropox HS 10 EG, Agropox HS Color, Agropox 245, and all Agropur-coats from our product range.
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 0°C, dew point distance at least 3°C. At high pressure water jetting a matt-damp surface is allowed.
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	At least 3 hours at recommended layer thickness (80 µm DFT), good ventilation, not exceeding the max. allowed adding of thinner, and normal temperature (+20°C). 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.
Coating over old coats	Old coatings: if possible grinding or sweep-blasting, free of dust. When in doubt (especially at unknown surfaces or old coatings), it is recommended to coat a test area and - after a long enough standing time - prove and evaluate it.
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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