Agropox HS 285

2-component-epoxy - thick-film - coat

Product description

Description/Material	2-component, thick-film, low-solvent anticorrosive coat with barrier effect.
Binding material / active substances	Based on epoxy resin.
Purpose	Anticorrosive intermediate- and topcoat with high barrier effect. For steel construction, which are exposed to weather or chemical aggressive industrial- or sea atmosphere, such as brides, pipelines, tanks, industrial and harbour constructions, steel structures in the sector of wastewater and clarification plants, sector of power plants, paper machines etc.
Properties	■ fast drying ■ low-solvent
Colors	On request.
Packaging / container sizes	28 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: 0,35 kg/m² for 200 µm DFT. ■ Practical: ca. 0,52 kg/m² for 200 µm DFT.
Recommended film thickness	200-300 µm dry film thickness, equal to 235-350 µm wet film thickness.
Mixing ratio	■ 6 parts by weight comp. A 1 part by weight comp. B ■ 3 parts by volume comp. A 1 part by volume comp. B
Density	1,5 kg/l ±0,1
Pot life	At 20°C: ca. 2 hours.
Solids content	■ By weight: 89 % ■ By volume: 85 % (DIN 53219)
Drying	According to DIN 53150, for 200 µm dry film thickness, at 23°C: ■ Degree of dryness 1: 2 hour. ■ Degree of dryness 4: 6 hours. ■ Degree of dryness 6: 12 hours.
VOC	See safety data sheets.
Thinner	Verdünnung 224.

Resistance

Chemical	Industrial atmosphere, flue gases, diluted inorganic acids, diluted caustic solutions and salt solutions.
Temperature	■ Dry: up to 140°C, for a short time up to 160°C. ■ Wet: up to 70°C.

Processing

Surface preparation	The surface has to be dry and free of fat, oil, dirt and dust. Sandblasting at least Sa 2½ (EN ISO 8501-1). If exposed to water: roughness (G) medium - Rz 60 µm, according to ÖNORM EN ISO 8503-1. Water-soluble impurities: max. 50 mg/m², according to ÖNORM EN ISO 8502-6(Bresle-test), or Wipe test according to DIN Fachbericht 28. Higher concentration in individual cases possible after agreement with the material supplier and the client.
Coating proposal	1 - 2 x Agropox HS 285, or: 1 x Agrozinc EP or Agropox Primer SW, 1 - 2 x Agropox HS 285, as decorative top coat at UV-load 1 x Agropur Color, Agropur MG or Agropur EG.
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	Airless spray application (spray nozzle pressure 160 – 200 bar, nozzle size 0,38 – 0,48 mm). Use undiluted. Add thinner depending on the optical demands and working conditions (low temperatures), up to 10 % thinner (Verdünnung 224).
Waiting periods	Between primer and topcoat: at least 8 hours, max. 7 days. 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. Take care of good ventilation of the coated surface.
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.

Processing

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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Avenarius-Agro GmbH
Head office & factory: Industriestraße 51, A-4600 Wels, Telefon: +43/7242/489-0, Telefax: +43/7242/489-5700, Internet: www.avenariusagro.at, E-Mail: office@avenariusagro.at
Vienna branch: A-1110 Wien, Sofie-Lazarsfeld-Str. 10, Tel.: 01 / 201 463 072, Fax: 01 / 20 1 46 - 3075, E-Mail: wien@avenariusagro.at