# Agrotop PUS 400

2-component PUR top coat

## Product description

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| Description/Material | 2-component, glossy high-performance top coat based on PU-polysiloxane. |
| Binding material / active substances | Based on PU-Si-hybrid resin with aliphatic isocyanate. |
| Purpose | Premium, modern 2-component top coat for primed steel and galvanized surfaces.<br>For all surfaces and parts where high UV-resistance, gloss durability and easy-to-clean surfaces are important.<br>Especially for all types of steel structures in building construction, facade construction, bridges, pipelines, tanks or in structural steel construction in industry. |
| Properties | Very high resistance against chalking, very high color stability and abrasion resistance. |
| Colors | According to RAL - color chart.<br>The colors can divergence slightly depending on raw materials. |
| Packaging / container sizes | 24 kg (incl. component B). |
| Storage | Storable in perfectly sealed original containers, dry and cool, for 18 months.<br>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

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| Consumption | ■ Theoretical: 99 g/m² for 60 µm DFT.<br>■ Practical: ca. 150 g/m² for 60 µm DFT. |
| Recommended film thickness | 60 µm dry film thickness, equal to 78 µm wet film thickness. |
| Mixing ratio | ■ 3 parts by weight comp. A<br>1 part by weight comp. B<br><br>■ 2,5 parts by volume comp. A<br>1 part by volume comp. B |
| Density | Ca. 1,25 kg/l (dependent on color). |
| Pot life | ■ At 10°C: ca. 4 hours.<br>■ At 20°C: ca. 2 hours.<br>■ At 30°C: ca. 1 hour. |
| Solids content | By volume: 76 % (DIN 53219). |
| Drying | According to DIN 53150, for 60 µm dry film thickness, at 23°C:<br>■ Degree of dryness 1: 4 hours.<br>■ Degree of dryness 2: 7 hours.<br>■ Degree of dryness 4: 16 hours.<br>■ Degree of dryness 6: 18 hours. |
| Gloss level | Glossy. |
| VOC | See safety data sheets. |
| Thinner | ■ Verdünnung 65<br>■ Verdünnung 80 (at high temperatures) |

## Resistance

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| Chemical | Good resistance against water, wastewater, seawater, fumes, de-icing salt, fumes of acid and caustic solutions, oils, fats and short term exposure to fuels and solvents. |
| Mechanical | The coating is tough-elastic and hard, but not brittle. Largely insensitive to knocks.<br>Aluminium pigmented color shades (RAL 9006 and RAL 9007) are not wipe-proof. |
| Weather | Especially resistant to weather, very high resistance against chalking and very high color stability. |
| Temperature | ■ Dry: up to 150°C.<br>■ Wet: up to 80°C. |

## Processing

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| Surface preparation | The surface has to be dry and free of fat, oil, dirt and dust.<br>Sandblasting Sa 2½ (EN ISO 8501-1). |
| Coating proposal | 1 x Agropox HS Primer 160,<br>1 – 2 x Agropox HS Intermediate 160,<br>1 x Agrotop PUS 400.<br><br>For brilliant colors, a second coat may be necessary to achieve sufficient coverage. |
| Material preparation | Stir up well component A. Then mix component A and B 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.<br>■ Roller (short-pile velour roller or foam roller; maybe the mentioned high film thickness will not be reached).<br>■ Airless spray application (nozzle size 309 - 411 or 0,22 - 0,27 mm).<br>■ Thinner: for correction of viscosity, depending on processing temperature and object geometry, add between 0-5 %, in exceptional cases up to 8 % Thinner 65.<br>At high temperatures use Verdünnung 80. |
| Waiting periods | Agrotop PUS 400 on Agrotop PUS 400: 12 hours, max. 2 weeks.<br>Depending on temperature and drying-conditions. After longer waiting periods, the surface is recoatable after suitable surface preparation.<br><br>Overcoating of Palesit Dichtstoff 015 with Agrotop PUS 400 – at least 24 hours at 23°C. |
| Final drying period | Before exposure to water:<br>■ At 10°C: ca. 14 days.<br>■ At 20°C: ca. 10 days.<br>■ At 30°C: ca. 7 days.<br>Take care of good ventilation of the coated surface. |
| Coating over old coats | Old Epoxy- or Polyurethane-coatings must be checked for suitability, and if necessary be prepared by grinding or sweep-blasting.<br>Coating a test area is recommended.<br>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

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| Disposal | If the product requires labelling, please observe the safety data sheet on our website and the information on the packaging label. |





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