

Agrozinc SW

2-component epoxy zincrich primer



Product description

Description/Material	2-component zinc-rich primer, based on epoxy resin, fast-drying, weldable.
Purpose	Anticorrosive primer for mechanically stressed wear- and underwater coatings for hydraulic steel structures, for example penstocks, turbines, floodgates, sheet pile walls, etc.
Properties	Fast hardening, resistant to water, condensation water, weather and barnacles, good abrasion resistance. According to ZTV-KOR-Stahlbauten, Blatt 87, Stoffnr. 687.03-05.
Colors	<ul style="list-style-type: none"> ■ Grau (grey). ■ Rötlich (reddish).
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 year.
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 TUV-approved and certified quality management system ISO 9001-2015 and was awarded with the Responsible Care certificate.

Technical data

Consumption	<ul style="list-style-type: none"> ■ Theoretical: 0,18 kg/m² for 40 µm DFT. ■ Practical: approx. 0,25 kg/m² for 40 µm DFT. 															
Recommended film thickness	<table border="1"> <thead> <tr> <th>dry film thickness</th> <th>wet film thickness</th> <th>application</th> </tr> </thead> <tbody> <tr> <td>40 µm</td> <td>65 µm</td> <td>by brush or roller, without thinner</td> </tr> <tr> <td>40 µm</td> <td>70 µm</td> <td>airless spray application, incl. approx. 3 % Verdünnung 224</td> </tr> <tr> <td>60 µm</td> <td>100 µm</td> <td>by brush or roller</td> </tr> <tr> <td>80 µm</td> <td>130 µm</td> <td>airless spray application, incl. approx. 3 % Verdünnung 224</td> </tr> </tbody> </table>	dry film thickness	wet film thickness	application	40 µm	65 µm	by brush or roller, without thinner	40 µm	70 µm	airless spray application, incl. approx. 3 % Verdünnung 224	60 µm	100 µm	by brush or roller	80 µm	130 µm	airless spray application, incl. approx. 3 % Verdünnung 224
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Mixing ratio	Do not exceed the total dry film thickness of max. 120 µm. 94 parts by weight comp. A 6 parts by weight comp. B															
Density	2,8 kg/l.															
Pot life	<ul style="list-style-type: none"> ■ At 10°C: approx. 12 hours. ■ At 20°C: approx. 8 hours. ■ At 30°C: approx. 6 hours. 															
Solids content	By volume: 64 %.															
Flash point	<ul style="list-style-type: none"> ■ Component A: 26°C. ■ Component B: 27°C. ■ Mixed material: 27°C. 															
Drying	Degree of dryness 6 (stackability) according to DIN 53150, for 60 µm dry film thickness: <ul style="list-style-type: none"> ■ At +5°C: 8 hours. ■ At +23°C: 4 hours. ■ At +40°C: 1 hour. 															
VOC	See safety data sheets.															
Thinner	Verdünnung 224 (Thinner 224).															

Resistance

Mechanical	Mechanically resistant.
Weather	The through-hardened material is resistant to weather and water.
Temperature	<ul style="list-style-type: none"> ■ Dry: up to 180° C, for a short time up to 200° C. ■ Wet: up to approx. 50° C.

Processing

Surface preparation	<p>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.</p> <p>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.</p>
Coating proposal	<p>If no top coat is planned: 2 x Agrozinc SW. As a primer under top coats: 1 - 2 x Agrozinc SW. If Agrozinc SW should be applied in two layers with different colors, use grey and reddish.</p> <p>Suitable top coats: <ul style="list-style-type: none"> ■ Agropox 250 EG, Agropox 10 EG, Agrosit EG/MG 80, Agropox 245. ■ For underwater exposure: Avertol Epotar, Avertol Epotar HP, Agropox SW, Agropox SW ST, Agropox HS SW, Agro Aquapure NC NEU. </p>
Material preparation	Stir up well component A. Then mix component A and B at specified mixing ratio. Mix only the quantity, which can be applied 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. In indoor rooms, take care of good ventilation of the coated surface.
Application	<ul style="list-style-type: none"> ■ Brush. ■ Roller. ■ Airless spray application (spray nozzle pressure 200 bar, nozzle size 0,5 mm). For airless spray application, it is allowed to add 2 - 5 % Verdünnung 224 (Thinner 224), depending on the dry film thickness and temperatures. <p>For usage as weldable shop primer, add approx.. 15 % Verdünnung 224 (Thinner 224).</p>
Waiting periods	<ul style="list-style-type: none"> ■ Between Agrozinc SW and Agropox 10 EG or Agropox HS Color: at least 8 hours (at +20° C). ■ Between Agrozinc SW and top coats for underwater exposure: at least 24 hours (at +20° C). <p>Depending on temperature and drying-conditions. After longer waiting periods, the surface is recoatable after suitable surface preparation.</p>
Final drying period	Through-hardened after 1 - 2 days, depending on temperature.
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

Technical Information: Agrozinc SW, status: 09 / 2017

These technical data were compiled based on state of the art technology and our experience. Due to the many different substrates and conditions of the coated objects, we accept no liability for the technical information provided. The information therefore does not release the buyer / user from his responsibility to professionally test our materials for suitability for his envisaged application, under his pertinent conditions. The validity of this data sheet shall expire following the release of a revised / new PDF version.

Technical advice

Addressing all substrates found in practice and the treatment required when applying this product is beyond the scope of this data sheet. Our technical advisers will gladly assist you with additional detailed information relevant to your specific project.

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