

EPOLEX[®] PRIMER S2300

Two-component anticorrosive epoxy primer

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Composition Dispersion of inorganic pigments and fillers in a solution of epoxy resin of medium molecular weight in organic solvents with addition of additives and zinc phosphate.

Characteristics and use The product is intended for use as anticorrosive primer for metal surfaces providing the coating system with excellent adhesion and corrosion protection. Before use the paint is mixed properly with the hardener in specified ratio.

The product is not intended for coatings that come into direct contact with food, feed and drinking water and for coatings of children's furniture and toys. The product can be used on surfaces that come into indirect food contact.

- ◆ excellent anticorrosive properties
- ◆ excellent adhesion to a variety of substrates
- ◆ stays on vertical surfaces

Application area Substrate: steel, aluminium, brass, zinc
 Environment: for interior and exterior, according to type of final topcoat
 Examples: metal tanks, piping, machines, industrial structures, bridge structures.

Shades 0110 grey

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| Physical properties | Flow time | medium, short (thixotropic character) |
| | Weight solids | > 70 % (not hardened mixture) |
| | Volume solids | 51 % (hardened mixture) |
| | Flash point | > 25 °C |
| | Density of hardened mixture | 1380 kg/m ³ |

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| Emission limits | VOC: 0.25 kg/kg of hardened mixture | TOC: 0.21 kg/kg of hardened mixture |
| | Product subcategory: A/j | Threshold value (2010): 500 g/l |
| | Max. VOC content in ready to use state: 463 g/l | |

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| Properties of hardened coat | Gloss | degree 4 - 5 |
| | Pendulum hardness / Persoz | up 30 % in 5 days |
| | Adhesion with crosshatch test | degree 0 |
| | Cupping test | 5 mm |
| | Bend test | perfect (cylindrical mandrel ø 2 mm) |

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| Drying time | Surface temperature | 23 °C |
| | Dust free | up to 1 hour |
| | Dry through | up to 24 hours |
| | Dry film thickness DFT | 25 - 30 µm |

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| Spreading capacity | Wet film thickness WFT | 50 - 57 µm |
| | Dry film thickness DFT | 25 - 30 µm |
| | Theoretical spreading capacity | 9 - 12 m ² /kg of hardened mixture |

Thinning BALTECH S6300

Hardening Hardener: EPOLEX S7300
Mixing ratio: 100 weight parts EPOLEX S2300 : **17** weight parts EPOLEX S7300
Mixing ratio: 100 volume parts EPOLEX S2300 : **25** volume parts EPOLEX S7300

The pot life of the hardened mixture is 8 hours (20 °C).

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| Surface preparation | <p>The surface must be clean, dry, degreased, free of rust and dust, mechanically cleaned. First of all the surface must be degreased by means of suitable agent (e.g. BALTECH TECHNICAL BENZINE P6402, BALTECH ACETONE P6401 or, if it is possible, warm pressurized water with detergent). For removing of residues of various salts it is necessary then to rinse the surface with clear water. Rough and sticky impurities must be removed manually or mechanically (grinding, scraping). Possible rust may be removed also manually or mechanically (metal brushes, grinding discs).</p> <p>Absorbent surfaces must be treated (penetrated) with suitable agent, providing even absorbency. Formerly coated surfaces must be cleaned, degreased and without old non-adhesive paints. It is recommended for providing compatibility of a new paint with the old one to perform a reference coating (painting) of surface - ca 1 m². It is recommended to follow the procedure system according to the technical data sheet.</p> |
| Application conditions | <p>Minimal air temperature for application is 10 °C, temperature of painted surface must be 3 °C above dew point. Temperature and relative humidity must be measured in proximity of painted surface. The surface temperature must not be higher than 35 °C. Relative humidity must not be higher than 75 %. The optimal application temperature is 18 to 23 °C and relative humidity 40 to 70 %. Lower temperature and higher humidity during an application and a drying and high thickness of applied coats markedly slow down drying and hardening of the coat.</p> <p>During rain, fog, creation of condensation water, effect of aggressive gases and during wind with strong content of dust the coating work must be suspended and can be restart after absolute drying of surface-treated material.</p> |
| Workflow | <p>Properly mix before use. Mix with hardener EPOLEX S7300 in prescribed ratio and properly mix together. Apply on the prepared surface.</p> <p>The coating of a metal:</p> <ol style="list-style-type: none">1x EPOLEX PRIMER S2300. The second coat should be applied not sooner than after 24 hours (20 °C). Drying and maturing of coat can be accelerated by drying at the temperature 60 – 100 °C during 60 – 30 minutes.2. 1 - 2x EPOLEX TOPCOAT S2321 (for interior) or TELPUR T300 (for exterior) |
| Application | <p>Brush, roller, spraying</p> <p>Data for airless spraying, e.g. VYZA VARIO 56-45 (EST)</p> <p>Nozzle 0.011 inch (0.28 mm) or 0.013 inch (0.33 mm); Pressure on nozzle 25 – 33 Mpa (250 – 330 atm.; 3600 – 4800 psi); Spraying angle 20 – 60°; Filter of spraying gun - yellow 100/149 (mesh/ μm).</p> |
| Handling | <p>Read the instructions in the Safety Data Sheet before use and follow all safety instructions and regulations. The product contains organic solvents. Follow basic hygiene rules. Do not eat, drink or smoke while using this product. Avoid contact with eyes, skin or clothing. Wear protective gloves, eye protection, protective clothing. Ensure effective ventilation of the workplace. People and animals should not remain in the treated area until the paint dries.</p> <p>If on skin: take off contaminated clothing and wash skin with plenty of soap and water. If inhaled: remove person to fresh air. If in eyes: rinse thoroughly for 10-15 minutes with clean water. Remove immediately contact lenses if present. If swallowed: rinse your mouth with water. If you feel unwell or in case of health problems or if in doubt, and accidental ingestion and contact with eyes, always consult a doctor immediately.</p> |
| Packing | 1.18 kg (including hardener) |
| Storability | The product keeps the product qualities 5 years from production date in original closed container. To store in dry storage at the temperature 5 to 25 °C. Flammable liquid II. hazard class. |
| Disposal of packing and waste | Hand over the used, properly empty packing at the collection point of the packing waste. Dispose the packing with the product rest at the place determined by the town for disposal of hazardous waste or hand over to the person authorized for hazardous waste disposal. Further see MSDS. |

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These data are only for information and their accuracy is influenced by the properties of individual materials and unpredictable factors during application. The user is responsible for correct use of the product according to the direction for use and for correct application of painting system, i.e. he must always evaluate all conditions of application, which could influence final quality of the top treatment. Therefore we always recommend to the user to carry out the test for actual working conditions and type of surface applied. Above mentioned data are data, which influence individual working conditions and therefore they do not establish a legal claim. It is necessary to consult information outside the terms of this catalogue sheet with the producer.

The producer stipulates the right for the change in the catalogue sheets without previous notification.