

Technical and material data sheet

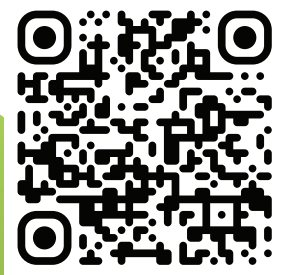


ALPHA PRIMER

ALPHA PRIMER is a high-quality anti-corrosion primer designed for maximum protection of metal and non-metal surfaces. Thanks to its unique composition, it provides excellent corrosion resistance while protecting the substrate from water condensation.



Downloads



Batch number: label

Last revision: 11/15/2023

Date of manufacture: label

Version: 01 For professional use

Expiration date: 24 months from the date of manufacture in the original unopened packaging



5L



2L

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Properties

- ✓ **Universal primer:** Suitable for application on a wide range of materials
- ✓ **Excellent anti-corrosion protection:** Actively protects the surface against the formation and spread of corrosion.
- ✓ **Perfect adhesion:** Provides an ideal adhesive bridge for the application of further coats of paint, such as ALPHA TEMPER, ALPHA ANTICONDENS, or ALPHA TOP
- ✓ **Wide range of applications:** Suitable for all metal surfaces, including steel, aluminum, stainless steel, and copper, as well as non-metallic surfaces
- ✓ **Easy application:** The coating can be applied with a soft brush or roller

Application

ALPHA PRIMER is used as a primary protective layer in industrial and domestic conditions. It is the ideal solution for preparing the substrate before applying final coats. It can be used on new surfaces as well as on stable, already corroded surfaces that have been previously cleaned and degreased. It is recommended to apply 1-2 coats to ensure optimal protection and adhesion.

With ALPHA PRIMER, you can be sure of long-term protection and perfect results for your surface treatment.

Technical properties

Color: gray

Coverage: 0.24 kg is sufficient for 1 m²

Application temperature: The temperature of the primer, environment, and substrate must be between +5 and +35 °C during application and for 24 hours after application, ideally between +10 and +25 °C.

Storage: Store in a dry, cool, frost-free place in the original sealed packaging for 24 months at temperatures between +5 °C and +35 °C. Do not expose to direct sunlight. Store opened and unused paint in a well-sealed container.

Packaging: 2 and 5 kg in PP buckets

Application information: Tools: Brush, roller, or airless equipment

Recommended dilution: Do not dilute

Mixing: Mix the entire bucket thoroughly before application.

Drying: Ideally, allow the primer to dry for at least 12 hours. Touch dry: 2 hours. For the next coat: 24 hours (WFT 240 µm, t = 20 °C, relative humidity 60% vol.). Fully dry in 24 hours

Cleaning tools and after application: Protect all tools from drying out during work breaks and wash with water after use. Wash contaminated areas immediately with water. Protect all tools from drying out during work breaks.

Surface protection: If areas that are not to be coated with the primer become contaminated, wash them immediately with water. Ensure ventilation during application and drying.

Do not apply if: Relative humidity is higher than 80%. The moisture content of the substrate is more than 4%.

Application procedure

Quick summary of surface preparation:

- Remove oil, grease, and other contaminants with a suitable detergent.
- Remove salts, detergents, and other contaminants with high-pressure fresh water to a degree of Wa 2 or Wa 2 ½.
- Remove rust from the surface by blasting to a degree of Sa 2 or, ideally, Sa 2 ½.
- Where blasting is not possible, the surface can be cleaned manually by mechanical means to grade St 2, depending on the degree of contamination.
- Before applying ALPHA PRIMER coatings, the surface must be dry and free of dust.

Distinguishing between substrates where the coating will be applied

Unpainted steel structure: Steel surfaces that have not yet been coated with any protective coating may be covered to varying degrees with rust, scale, or other contaminants (dust, grease, ionic contaminants/soluble salts, deposits, etc.). Coat the surface with ALPHA PRIMER anti-corrosion primer.

Steel surface coated with a coating system that needs to be repaired: The condition of the existing coating system must be assessed using the degradation grades in accordance with ISO 4628 each time the coating is maintained. It is necessary to determine whether the system needs to be completely removed or whether parts of the coating can be left in place, then apply ALPHA PRIMER.

Aluminum, copper, and stainless steel: In the case of aluminum and stainless steel, the surface must be cleaned with clean water and a cleaning agent and then thoroughly rinsed with high-pressure clean water. Better adhesion of the coating system can be achieved by abrasive blasting with mineral abrasive or brushing to roughen the surface, then apply ALPHA PRIMER.

Procedure and application

The entire package must be thoroughly mixed before use!

ALPHA PRIMER can be applied to properly prepared surfaces in one, ideally two coats, preferably with a soft brush or roller, using a cross-coat technique, or with Airless equipment.

Material consumption is influenced by the surface structure and method of application. Apply the coating in individual layers as needed. Stir the coating during application. In case of higher ambient temperatures (e.g., direct sunlight), stir the coating more frequently. It is not recommended to work with the coating in a humid environment.

Warning and general instructions

Processing conditions: The temperature of the substrate and air must not fall below +5 °C. During application, avoid direct sunlight, wind, or high humidity. In conditions that promote rapid drying of interior paint (temperature above +35 °C, drafts, heated substrate, etc.), the applicator must consider all circumstances (including, for example, the size of the area) affecting the possibility of proper application, especially joining. In conditions that prolong drying (especially low temperatures and high humidity), slower drying of more than 24 hours must be expected. High temperatures, especially in summer, adversely shorten the drying time. High humidity or low temperatures (e.g., in late autumn) can significantly prolong the drying time and adversely affect the properties of the coating.

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Safety precautions: Do not eat, drink, or smoke when working with ALPHA PRIMER. We recommend protecting your eyes with goggles with side shields. If swallowed, rinse your mouth with water. If the product comes into contact with your eyes, rinse them with running water. If problems persist, seek medical attention. After washing, treat your skin with a regenerative cream. Keep out of reach of children.

ALPHA Primer is classified as harmful to the environment. It contains zinc phosphate. Harmful to aquatic organisms, with long-term effects. Prevent release into the environment.

Precautionary measures: When working with the coating, follow the safety instructions, applicable regulations of the relevant authorities on occupational health and safety, and basic hygiene rules. To protect your eyes and skin, use protective equipment such as goggles, gloves, protective clothing, etc. in the workplace. In enclosed spaces and when applying by spraying, protect your respiratory tract with a suitable respirator. Ensure ventilation when applying in enclosed spaces. More detailed information on hygiene, occupational safety, and environmental protection can be found in the safety data sheet.

Wash contaminated skin with soap and water. If swallowed, rinse mouth with water. If product gets into eyes, rinse with running water. If inhaled, go out into the fresh air. May cause an allergic reaction. Spraying may create dangerous respirable droplets. Wash contaminated skin with soap and water, and in case of contact with eyes, rinse immediately with plenty of water. If irritation persists, seek medical attention. If swallowed, drink about 0.5 liters of lukewarm water with 10 crushed activated charcoal tablets. If you experience any difficulties, seek medical attention. Do not induce vomiting. Do not inhale aerosols or mist. If basic hygiene rules are followed, there is no health risk."

The material is non-flammable. In case of fire in structures, equipment, or buildings where the coating has been applied, we recommend using water, foam, dry chemical extinguishing agents, or carbon dioxide for extinguishing. In case of coating leakage or spillage, use any absorbent material such as sand, etc.

Disposal of packaging: Dispose of unused material or packaging in accordance with applicable regulations. Dispose of any remaining product. Dispose of the contents/packaging by incineration in a hazardous waste incinerator or by disposal in a hazardous waste landfill. The product is a treated article and contains a biocidal product. It contains a reaction mixture of CMIT/MIT (3:1) [Index number: 613-167-00-5].

Other informations

This technical data sheet, provided as part of our support to customers and processors, has been compiled based on our own experience and the current state of scientific and technical development. The procedures and recommendations given here represent, in a general sense, optimal and safe solutions, but they are not legally binding and do not establish a contractual relationship or additional obligations under the purchase contract. Nor do they relieve the processor of the responsibility to verify the suitability of this product for its intended use under specific conditions. The consumer is responsible for the correct use of the product. The information provided in this technical data sheet is compiled on the basis of laboratory findings and our professional experience with the aim of achieving the best possible results at a professional level when using the product. We accept no responsibility for damage caused by incorrect use of the product or its inappropriate selection. We therefore recommend that the buyer or user test our materials professionally and technically to ensure that they are suitable for the intended purpose under the given conditions in the given object.

This technical data sheet loses its validity upon the publication of its amendment. The manufacturer reserves the right to make possible later changes and additions. The manufacturer reserves the right to change the information in technical and promotional materials without prior notice. Updated versions of technical data sheets are available from the manufacturer upon request. All information in this manual is non-binding.

Manufacturer



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