

Technical Data Sheet



DETOXY COLOR ALG

Product Characteristics:

A water based protective coating for facades for both professional and hobby consumers.

According to microbiological laboratory tests conducted by company ROKOSPOL, it can be determined that mineral surfaces (on walls) treated with the product Detoxy ALG, the product should stop the occurrence and the further growth of most common species of algae and cyanobacteria. It also significantly restricts and slows the growth of fungus (tested according to standards EN 15458 Paints and varnishes - Laboratory method for testing the effectiveness of protective coatings against the action of algae, EN 15457: Paints and varnishes - Laboratory method for testing the effectiveness of protective coatings against fungi and molds).

It is used alone as a final transparent protective coating on new facades or in combination with moss remover - ALG REMOVER on facades overgrown with green algae, moss and fungi. On the surface a practically invisible film is created which has excellent permeability, good washability and excellent abrasion resistance. Its antimicrobial, algicidal and fungicidal activity is exceptionally stable. It is designed for coating of facades, ceramic masonries, lime and plaster stucco, concrete, etc.

Specific Properties:

Detox Color ALG contains a photo-catalytically active material based on modified titanium dioxide, which is sensitive to visible and ultraviolet light, which breaks down harmful chemical emissions from the air into water and carbon dioxide. It also contains other active nano-particles which act against a range of fouling organisms such as algae, fungi, algae or mosses, and even in the absence of light. When exposed to light, this phenomenon is multiplied. Advantages of Detoxy Color ALG is fully reflected on the exterior of buildings at risk of liquid and gaseous air pollutants, fungus spores, algae and mosses, such as water supply facilities, water treatment plants and also thermally insulated residential or public buildings. Additionally, the coating actively prevents adhesion of dust particles and with just slight rain will wash away dust and germs mold and algae. The application of this unique protective coating which has exceptional properties is consistent with conventional exterior paints, but requires a high-quality, consistent base.

Surface:

The surface must be clean, dry and free of loose particles. On a new facade we can directly apply Detoxy Color ALG at a ratio 1:1 diluted with water. If the wall has more previous coatings, it is necessary to check the quality of cohesion to the surface with self-adhesive tape on the facade and its subsequent separation. If even a small amount of the original color is left on the tape, you must firstly repair the facade. Detoxy Color ALG does not replace the facade coating, it is used only for its long-term protection against the growth of undesirable organisms. Open cracks or damaged surface must be repaired with cement plaster. New plaster / lime and cement / must be left to dry thoroughly for min. 2 weeks (depending on weather) and painted with façade paint. Masonry heavily overgrown with moss or mold or algae must firstly be treated with product ALG Remover, and subsequently cleaned with high-pressure spray equipment.

Application:

Detox Color ALG can be applied with a paint brush or roller, conventional exterior with long or short hair according to the segmentation / granularity of the plaster. For structural facades we recommend spraying. When applying paint, the temperature should not fall below +15 ° and should not exceed 35 ° C. Do not apply in direct sunlight, strong winds or on hot surfaces.

Application:	brush, roller, spray
Dilution:	Detox ALG is supplied as a concentrate. For application, dilute 1: 1 with water.
Cleaning:	with water immediately after use. Dry paint is very hard to remove.
Coverage:	8 - 16 m ² /kg (for one coat according to the surface quality)
Recommended thickness:	60 µm ± 20µm wet film

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Drying Time: 1 - 2 hrs. at 20 °C at 65% humidity
Final properties of the coating are reached after 2-7 days.

Technical Data:

Binder: hybrid
Density: max. 1,10 g/cm³
Flash point: nonflammable
Solids: min. 23 % by weight.
Gloss level: max. 10 %
Storability: 24 months in an original sealed container at a temperature +5 and +25 °C

Additional Information:

Detoxy Color ALG is environment-friendly and completely safe. All nanoparticles are chemically bonded to an inert carrier and are firmly anchored in the porous matrix and can never get into free space and endanger health. During application it is necessary to cover the surrounding area, as Detoxy Color ALG is hard to clean after it has dried. Protect eyes and skin from paint. In case of contact with eyes, rinse immediately with clean water and seek medical assistance.

Notice:

Information stated in this datasheet is intended only for advisory purposes and is not exhaustive. In the case you are going to use the paint for a purpose different from that described here, first ask for a written statement. Without this statement we will bear no responsibility for the paint quality and/or losses and damages given by any incorrect application. In addition, we also refer to our Trading Conditions. Safety Data Sheet in accordance with Annex II - Regulation 1907/2006/EC as amended by Annex II of Regulation 453/2010 EC upon request.

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