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LONG-TERM **FACADE PROTECTION**

AN UNIQUE DISPERSION COATING BASED ON STYRENE
ACRYLATE WITH **ALGAE NEUTRALIZING EFFECT** FOR
THE FACADE

CAUSES FOR ALGAE AND FUNGAL INFESTATION ON FACADES

For billions of years algae and fungi have been a natural part of our environment and can be found almost everywhere, e.g. on trees, bushes, stones, house facades, traffic signs, crash barriers, plastic, wood and glass surfaces. These forms of life are more or less omnipresent. Their germs spread with the wind; in one m³ of air you can find up to more than one million germs, depending on the season and place, waiting to find a surface suitable for colonization.

They are unattractive and undesirable on exterior components. On facades, for example, they produce grey or green shimmering veils and streaks. This is ensured by a permanently moist substrate in combination with settled dirt particles, which together provide an optimal basis for the life of these microorganisms.

The climatic conditions facilitate the growth of algae and fungi. The gradual warming of the earth's atmosphere causes milder winters and increasingly humid summers. This also promotes the growth of microorganisms. According to a theory of the Fraunhofer Institute, the reduction of air pollutants (e.g. sulphur dioxide or nitrogen oxides) also favours the growth of algae and/or fungi.

PROPERTIES

ERSTOALGAE's unique protection for exterior facades is formulated on a styrene acrylic base for the preservation and repair of algae-infested plaster, concrete and masonry. Solvent-free top coat with carbonation inhibiting effect and good water vapour permeability.

Primer coat 1 penetrates deeply into the capillaries of the applied surface to provide deep protection and provide an optimised base for the main coat.

The main coat 2 prevents new algae growth on the surfaces in the long term.

The so-called intergrowth of algae or new growth on the treated surfaces is practically impossible.

WHAT IS ERSTOALGAE?

Suitable as a coating for heavily weathered facades and concrete surfaces, especially when exposed to driving rain and for protection against aggressive atmospheres such as carbon dioxide and sulphur dioxide.

- Depth effect
- Breathable
- High moisture absorption & release properties
- Vapour diffusion open
- Dirt repellent
- Carbonation inhibiting
- UV & weather resistant
- Resistant to aggressive atmospheres (acid rain) in outdoor use
- Firedamp resistant in the facade area
- Solvent free
- Free of silver ions
- Highest opacity class
- Highest wet abrasion class
- Colour: white
- Tinting with Mixol toner up to 5% possible



NEW TECHNOLOGY

ERSTOALGAE is designed in such a way that after the coating has been applied, moisture can no longer remain permanently on the surface due to its ability to diffuse water vapour. Dry surfaces act as a prohibition sign for algae and fungi.

In addition, **ERSTOALGAE**, with its unique technology, enables the continuous reduction of colonising microorganisms and thus the prevention of fouling over a guaranteed long period of time.

FUNCTIONAL SURFACE COATING

APPLICATION AREAS

ERSTOALGAE Long-term Facade Protection is an excellent coating for exterior facades of new and old buildings, historical buildings, buildings that are built close to green areas and many other exterior facades that suffer from algae infestation or are endangered by infestation.

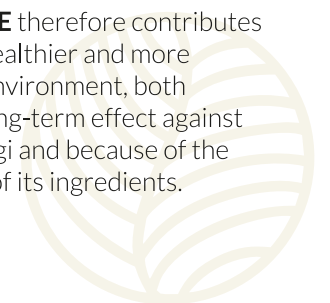
In addition, it is also suitable as a permanent coating for other mineral substrates. The overpaintability of old coatings must be checked on a case-by-case basis. We generally recommend that test surfaces be applied to all surfaces in advance.



THINK **GREEN!**

Due to the unique technology, only a very small amount of biocides is required, which are supplemental non-leaching, to ensure a constant and long-term effect on the applied surfaces.

ERSTOALGAE therefore contributes greatly to a healthier and more sustainable environment, both through its long-term effect against algae and fungi and because of the composition of its ingredients.



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CONTACT US

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