MADE
IN
GERMANY

# ersto algae

LONG-TERM **FACADE PROTECTION**

Long-Term Facade Protection
Against Algae & Fungal Growth

Permanently protected facades.
Reduced moisture accumulation.
Developed for demanding exterior
environments.

# PRODUCT PROFILE

erstoalgae is a solvent-free styrene-acrylate facade coating designed for the long-term reduction of algae, moss and fungal growth on mineral exterior surfaces.

The specially developed system coating combines high UV and weather resistance with excellent water vapor permeability, supporting permanently dry and visually stable facade surfaces.

erstoalgae is suitable for new buildings, existing properties and renovation projects — particularly in moisture-prone or shaded areas with an increased risk of microbial growth.

## DEVELOPED FOR LONG-TERM FACADE PROTECTION

Microbial growth on facades often occurs where moisture remains on the surface over extended periods of time.

This is exactly where erstoalgae is designed to perform.

The coating reduces surface moisture accumulation and thereby sustainably inhibits the formation of algae, moss and fungal growth.

## SURFACE PROTECTION & MOISTURE MANAGEMENT IN ONE SYSTEM

Long-Term Reduction of Microbial Growth

**The specially developed formulation supports durable protection against:**

- algae growth
- fungal and moss formation
- microbial discoloration
- moisture-related facade contamination

## VAPOR-PERMEABLE FACADE TECHNOLOGY

erstoalgae remains highly water vapor permeable and supports balanced moisture behavior within the facade structure.

**This helps to:**

- allow moisture to escape from the substrate
- reduce the formation of surface water films
- minimize the risk of renewed microbial growth

## UV & WEATHER PROTECTION

The durable polymer matrix provides long-term protection against:

- driving rain
- UV radiation
- weathering
- carbonation on concrete substrates

## FEATURES & BENEFITS

- long-term protection against algae & fungal growth
- highly vapor permeable
- UV & weather resistant
- carbonation-inhibiting
- durable, high-opacity surface finish
- solvent-free
- free from silver ions & nanoparticles
- suitable for new and existing facades
- compatible with defined system color shades
- ideal as a finishing coat after moisture or plaster renovation

## TYPICAL AREAS OF APPLICATION

### Suitable Substrates

- mineral plaster
- concrete
- masonry
- plinth/base areas
- renovation facades

### Particularly Suitable for Problematic Facade Conditions

- north-facing or shaded facades
- green or vegetation-rich surroundings
- moisture- and driving-rain-exposed areas
- buildings near water sources
- historical & sensitive facade structures

### Part of the ERST Facade & Moisture Protection System

erstoalgae is part of a comprehensive facade and moisture protection concept within the ERST system portfolio.

## RECOMMENDED SYSTEM COMBINATIONS

| Objective | Recommended Combination |
|---|---|
| Renovation of moisture- & salt-loaded facades | erstoplast + erstoalgae |
| Thermal facade optimization | erstotherm + erstoalgae* |

* System approval depending on substrate and construction setup.

## APPLICATION

erstoalgae can be efficiently integrated into both new construction and renovation projects.

### Surface Preparation

- cleaning of the facade according to substrate condition
- removal of algae & fungal contamination
- substrate stability assessment
- removal of loose existing coatings
- test applications recommended for unknown existing coatings

### Application Properties

- applicable by roller, brush or airless spray
- one- or two-coat application possible
- apply under dry weather conditions
- high coverage and excellent opacity

## TECHNICAL OVERVIEW

| Property | Description |
|---|---|
| Binder | Styrene acrylate |
| Color | White & system-defined shades |
| Vapor permeability | Highly vapor permeable |
| Additives | Solvent-free, free from silver ions & nanoparticles |
| Area of application | Mineral exterior facades |
| Application methods | Roller, brush, airless spray |

## FAQ

**Can erstoalgae remove existing algae or fungal growth?**
No. Existing contamination must be professionally removed before application. erstoalgae is designed to significantly reduce future regrowth.

**Is erstoalgae vapor permeable?**
Yes. The coating remains highly vapor permeable and supports balanced moisture regulation within the facade.

**Which facade types is erstoalgae suitable for?**
Suitable for mineral substrates such as plaster, concrete and masonry. Test applications are recommended for ETICS systems or unknown existing coatings.

**Can erstoalgae be tinted?**
Yes, within a defined system-compatible color range.

**How long does the facade protection last?**
The protective effect depends on environmental and exposure conditions and is designed for long-term reduction of microbial growth.

**ERST – System Solutions for Facades, Moisture Protection & Building Physics**

**Scientifically grounded. Proven in practice. Designed for long-term performance.**

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