



MADE
IN
GERMANY

ersto aLGae

LONG-TERM **FACADE PROTECTION**

against algae and fungal growth

Two performance profiles for
facades that remain well maintained
over the long term.

Vapour-permeable. Water-repellent.
Weather-resistant.

PRODUCT PROFILE

Facades are exposed every day to moisture, UV radiation, temperature fluctuations and biological surface stress. Especially in shaded, moisture-exposed or highly weathered locations, the visual appearance of a facade can be permanently affected.

erstoalgae was developed for facades that are intended to remain protected, well maintained and resistant over the long term. The professional facade coating product line combines water-repellent properties, high weather resistance and long-term protective performance against algae and fungal growth.

With **erstoalgae Balance** and **erstoalgae Resist**, two coordinated variants are available — for different project requirements, facade locations and weather exposure profiles.



erstoalgae BALANCE

is the highly vapour-permeable silicone resin facade paint for normal facade and weather conditions. It supports balanced moisture behaviour, is water-repellent and provides a pronounced water-beading effect.

erstoalgae RESIST

is the particularly resistant pure acrylate facade coating for highly weather-exposed facade surfaces. It is strongly water-repellent and designed for increased exposure to wind-driven rain, wind, high humidity, salt-laden air and demanding atmospheric influences.

DEVELOPED FOR FACADES THAT STAY WELL MAINTAINED FOR LONGER

Where moisture remains on the surface for extended periods, the risk of algae and fungal growth increases.

This is exactly where erstoalgae performs: the coating supports the reduction of moisture stress on the facade surface and helps reduce the risk of renewed biological growth over the long term.

The result: a resistant, visually stable facade surface with a high-quality, well-maintained appearance.



PROTECTION and MOISTURE MANAGEMENT IN ONE SYSTEM

erstoalgae combines facade protection with coordinated moisture management.

The coatings support long-term protection against:

- algae growth
- fungal growth
- microbial discolouration
- moisture-related facade contamination
- weather-related surface stress

TWO PERFORMANCE PROFILES FOR DIFFERENT FACADES

erstoalgae BALANCE

For facades where vapour permeability and moisture regulation are key.

erstoalgae Balance is highly water vapour permeable and supports balanced moisture behaviour within the facade. Moisture can escape from the substrate, while the water-repellent surface reduces moisture absorption from the outside.

The pronounced water-beading effect supports the run-off of rainwater on the coated surface.

erstoalgae RESIST

For facades that are exposed to stronger weather, wind and atmospheric stress.

erstoalgae Resist is strongly water-repellent and particularly resistant to wind-driven rain, wind, high humidity, salt-laden air and demanding atmospheric influences.

The coating is vapour-permeable, but less open to diffusion than erstoalgae Balance, and does not provide a pronounced water-beading effect.



UV & WEATHER PROTECTION

The erstoalgae product line was developed for facades that are permanently exposed to external stress.

It supports protection against:

- UV radiation
- weathering
- aggressive atmospheric influences
- carbonation-related stress on suitable concrete substrates
- rain and moisture
- wind-driven rain exposure

This creates a facade surface that not only protects, but also preserves the well-maintained character of the building over the long term.

FEATURES & BENEFITS

Both erstoalgae variants stand for professional facade coating with long-term protective performance against algae and fungal growth, high UV and weather resistance, and a solvent-free formulation without silver ions or nanoparticles.

erstoalgae BALANCE

For normal facade and weather conditions — with a focus on vapour permeability, moisture regulation and water-beading effect.

- silicone resin facade paint
- highly water vapour permeable
- water-repellent with pronounced water-beading effect
- supports balanced moisture behaviour within the facade
- good opacity
- matt surface finish
- very good ageing resistance
- suitable for new and existing facades
- system-compatible colour shades possible

erstoalgae RESIST

For highly weather-exposed facade surfaces — with a focus on resistance, wind-driven rain exposure and strong water repellency.

- pure acrylate facade coating
- suitable for demanding atmospheric influences, e.g. salt-laden air or acid rain
- robust, high-opacity surface
- vapour-permeable, but lower than erstoalgae Balance
- without pronounced water-beading effect
- matt surface finish
- suitable as a resistant finishing coat after moisture or render/plaster renovation
- system-compatible colour shades possible

TYPICAL APPLICATION AREAS

erstoalgae is suitable for exterior facades with an increased risk of algae and fungal growth, as well as for facade surfaces subject to increased moisture, weather or environmental exposure.

Suitable facade surfaces

- mineral renders/plasters
- concrete surfaces
- masonry
- load-bearing existing coatings
- fibre-cement boards
- renovation facades
- plinth/base areas subject to project-specific moisture and substrate assessment

Typical facade locations

- north-facing or shaded facades
- facades in green or vegetation-rich surroundings
- moisture-exposed and poorly drying areas
- building elevations exposed to wind-driven rain
- highly weathered and exposed facade surfaces
- buildings near bodies of water
- coastal and maritime locations with salt-laden air, high humidity and wind-driven rain exposure
- historic and sensitive facade areas subject to project-specific assessment

APPLICATION

The erstoalgae product line can be efficiently integrated into new construction, existing building and renovation projects.

Substrate preparation

- cleaning of the facade according to substrate condition and exposure level
- removal of algae and fungal growth, moss, dirt and organic deposits
- removal of loose render/plaster, facade and existing coating components
- assessment of substrate load-bearing capacity and adhesion
- test areas recommended for unknown or critical existing coatings
- priming with a suitable hydrosol deep primer to consolidate the substrate and regulate absorption behaviour

Application properties

- application by roller, brush or airless spraying
- two-coat system build-up as recommended system application
- optional third coat in case of high weather, wind-driven rain or environmental exposure
- application only under suitable, dry weather conditions
- high surface coverage and good opacity
- uniform, resistant finishing coat for long-term protected facade surfaces



PART OF THE ERST FACADE & MOISTURE PROTECTION SYSTEM

erstoalgae is part of a holistic facade and moisture protection concept within the ERST system world.

RECOMMENDED SYSTEM COMBINATIONS

Objective	System combination
Renovation of moisture- and salt-stressed facades	erstoplast + erstoalgae
Thermal facade optimisation	ersthotherm + erstoalgae*

TECHNICAL BRIEF

Property	erstoalgae Balance	erstoalgae Resist
Product type	Silicone resin facade paint	Pure acrylate facade coating
Exposure profile	Normal facade and weather conditions	Highly weather-exposed facade surfaces
Binder base	Silicone resin	Pure acrylate dispersion
Colour	White and system-defined colour shades	White and system-defined colour shades
Surface finish	Matt	Matt
Water repellency	Water-repellent with water-beading effect	Strongly water-repellent, without pronounced water-beading effect
Diffusion	Highly water vapour permeable	Vapour-permeable, but lower than erstoalgae Balance
Protection profile	Long-term protection against algae and fungal growth	Long-term protection against algae and fungal growth
Additives	Solvent-free, without silver ions and nanoparticles	Solvent-free, without silver ions and nanoparticles
Area of application	Mineral exterior facades	Highly stressed exterior facades, e.g. exposed to wind-driven rain, wind, high humidity or salt-laden air
Application	Roller, brush or airless spraying	Roller, brush or airless spraying



FAQ

Does erstoalgae remove existing algae or fungal growth?

No. Existing algae and fungal growth, moss, dirt and loose components must be professionally removed before coating. Afterwards, erstoalgae supports the long-term reduction of the risk of renewed algae and fungal growth.

Which variant is suitable for normal facade conditions?

For normal facade and weather conditions, erstoalgae Balance is the suitable solution. The silicone resin facade paint is highly water vapour permeable, water-repellent and provides a pronounced water-beading effect.

Which variant is suitable for highly weather-exposed facades?

For facades exposed to increased stress from wind-driven rain, wind, high humidity, salt-laden air or demanding atmospheric influences, erstoalgae Resist is the more resistant solution. The pure acrylate facade coating is strongly water-repellent and designed for high weather exposure.

Is erstoalgae vapour-permeable?

Yes. erstoalgae Balance is highly water vapour permeable and supports balanced moisture behaviour within the facade. erstoalgae Resist is also vapour-permeable, but due to its stronger resistance profile it is less open to diffusion than Balance.

Which facades is erstoalgae suitable for?

erstoalgae is suitable for load-bearing, professionally prepared exterior facades such as mineral renders/plasters, concrete, masonry, fibre-cement boards and suitable existing coating systems. For ETICS, sensitive substrates or unknown existing coatings, test areas are recommended.

Can erstoalgae be tinted?

Yes. Tinting is possible within a system-compatible colour range in accordance with the manufacturer's instructions.

How long does the facade protection last?

The protective performance depends on location, substrate, moisture exposure, weather conditions, coating build-up and maintenance. erstoalgae is designed for long-term reduction of the risk of renewed algae and fungal growth.

ERST – System solutions for facades, moisture protection & building physics

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



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