

Why You Have Algae Growth on Exposed Concrete or Fiber Cement Panels (Eternit)

New concrete is highly alkaline at the beginning and therefore not susceptible to algae growth.

Over time, however, the concrete undergoes neutralization (carbonation), which increases its water absorption capacity. As a result, moisture accumulates within the material, creating an ideal environment for microorganisms to settle and cause algae growth.

To ensure long-term protection against algae infestation, salt efflorescence, and reinforcement corrosion, we recommend our Algenmann Permanent Protection, based on silicium and water glass.

Additionally, we offer a temporary disinfection treatment, which, although not permanent, has also shown very good results in our experience.

We clean in four phases

1. Pre-treatment:

The contaminated facade surfaces are sprayed with our specially developed cleaning solution. A visible cleaning effect appears shortly after application.

2. Gentle rinsing:

After the exposure time, the dissolved dirt is gently rinsed off.

Using wide-spray nozzles ensures a particularly gentle cleaning process for your facade. The correct combination of water pressure, nozzle distance, and size guarantees optimal results. All wastewater is collected, treated, and reused. (Concept attached)

3. Post-treatment with Algenmann Permanent Protection:

To provide the surface with long-lasting protection against microbial growth, we apply our transparent, silicium-based Algenmann Permanent Solution.

This product bonds with the substrate, penetrates deeply into the pores, and ensures long-lasting protection against algae and fungi.

4. Window cleaning:

To give your windows the same fresh shine, they are cleaned immediately after facade cleaning using our special brushes and freshly treated osmosis water.

Our Products

Cleaner:

Our cleaner is based on sodium hypochlorite (salt), a substance also used in dental practices and swimming pools.

This product does not require a registration number and does not need to be declared as a biocide.

Biocides are subject to special approval procedures that are very complex and costly. The issue of biocides is a sensitive one, as it is not always clear which substances must be declared as biocides and which do not.

The key lies in the correct terminology.

For example: alcohol

If you sell a bottle of high-proof alcohol as schnapps and label it as such, it is considered a beverage.

However, because schnapps contains a high amount of alcohol, it also works very well as a disinfectant.

If you decide to market your schnapps as a disinfectant, it must be declared as a biocide, even though it is exactly the same product.

Therefore, our cleaner does not need to be declared as a biocide._

Algenmann Permanent Protection / Algenmann Concrete Protection:

This product is environmentally friendly and based on silicium impregnation agents.

Special water- and oil-repellent components prevent the penetration of oil and grease splashes or spilled drinks.

The pores remain open — no film forms on the surface, preserving the natural appearance of the material.

There is no darkening effect.

Important:

Surfaces treated with Algenmann Concrete Protection cannot be painted afterward.