

Isola Bio-Ren

Natural bacterial organisms destroy very efficiently moss, lichen and green films



- *No pollutants or chemicals*
- *No damage or burden to the environment*
- *For all types of roofing material*
- *Roof colour refresh*
- *Optimal applicable mixture*
- *Easy to apply*
- *No personal protection equipment*

isola[®]

Dry and healthy buildings

Isola Bio-Ren: Good for the enviro

To be applied against moss, lichen and green films

Due to the climatic changes in northern and central Europe these last few years, we have experienced a huge increase of moss, lichen and algae (green films). These plants damage any subsurface on which they spread : roofing shingles, natural stone, concrete, wood, brick or other materials.

We therefore recommend destroying these roof plants with Isola Bio-Ren, which will keep your roof in good condition.

Isola Bio-Ren is a natural product that is 100 % environment-friendly and destroys very efficiently moss, lichen and algae.



The opponents:

Algae

The term „algae“ summarizes many different water plants. Their sizes vary from 1/1000 millimetre to several meters. Most of the algae live in water, a few of them on the ground. The green film that arises on roofs, terraces, sun blinds, halos etc. consists of algae.

Moss

Moss is a very simple plant. It can still thrive in poor light and food conditions. Moss has no roots. The whole plant is able to accumulate a lot of water, and also operates as water reservoir for its environment. It can thus survive long periods of drought.

Lichen

Lichen are organisms that arise from a symbiosis between mushrooms and algae or between mushrooms and bacteria. Lichen are capable of destroying or dismantling their own growth surface. They excrete substances that, in connection with frost, contribute to damaging the surface on which they grow. They can affect concrete, wood, natural stone as well as roofing shingles.



Environment, better for the roof



Features

Isola Bio-Ren is 100 % biodegradable, completely harmless and totally free of pollutants. The mixture can be applied immediately, without diluting. With Isola Bio-Ren you can quickly and easily refresh the colour of your roof. Depending on the weather and environmental conditions, your roof can stay free of moss, lichen and green films up to 3 years.



Scope of applications

Isola Bio-Ren can be used on all types of roofing material as well as on terraces, masonries, stone, wood, sun blinds, facades and synthetics. It does not damage any type of surface and is generally harmless to lawns and plants.

Preparation measures

Before starting the application loose moss, greenery and large pieces of dirt must be removed. To achieve the desired effect, the minimum application temperature must be 10° C. If night frost or heavy rain is expected, or during intense sunlight, Bio-Ren must not be applied.

Application

This product is ready for use and applied directly. For large surfaces we recommend the use of a pressure sprayer with a volume of 5 liters. Smaller surfaces can be treated with a manual sprayer. Isola Bio-Ren must be distributed evenly with the fixed dosage and at a distance of 20 to 30 cms. Make sure all devices are completely clean before use.

Protective clothing is not necessary. This product is harmless to the respiration and skin. In case of eye contact, rinse abundantly with water.



No Chance for moss, lichen, green films!

Treatment instruction

Isola Bio-Ren needs to be distributed evenly, in order to moisten the film thoroughly. Moss and lichen, if necessary, must be treated two to three times. Between the applications a period of two to three weeks must be respected.

In cases of green film after-treatment is not necessary. After 24 hours the first effects are clearly evident. Remains of brown moss and lichen need to be removed by slightly brushing away or with a water hose.

Never use a high pressure cleaner on the roof!

Tools

- Pressure sprayer or manual sprayer
- Broom (soft or stiff), depending on the roofing material, to remove all remains
- A water hose

Isola Bio-Ren – developed and produced in Norway

Bins are recyclable

Store frost-resistant and keep safe from kids!



Type	Consumption	Number of applications	Type of after-treatment
Algae (green films)	0,1 l/m ²	1	Not necessary
Moss and lichen with <i>normal growth</i>	0,1–0,2 l/m ²	2	Brush away/ wash off
Moss and lichen with <i>powerful growth</i>	0,1–0,3 l/m ²	up to 3	

Storage temperature	about 0° C
Min. treatment temp.	10° C
Physical condition	fluid
Colour	transparent/none
Water soluble	leasy soluble
pH-value	approx. 6,9



Isola as
N-3945 Porsgrunn
Telefon ++47 35 57 57 00
Fax ++47 35 55 48 44
www.isola.com

isola[®]
Dry and healthy buildings