Idor®

Geolife® technology

Natural solution for the treatment of septic tanks of up to 3m³ and for domestic drains, such as washbasin siphons and sanitary plumbing

SWISS MADE

Bioma®

Bioma®

A Swiss company with more than 30 years of international presence.

BIOMA is a company active in the production and marketing of "Chemical free" and "GMO free" solutions for the food industry, oenology, agriculture, environmental bioremediation, zootechnics and animal and human well-being.

Our products optimize all biological processes through indigenous microbiology and make it possible to reach an optimal balance in the targeted biomass. We seek to minimize the environmental impact within each structure.

The purpose of BIOMA solutions is to optimize production while guaranteeing economic sustainability.

GMO-free

Chemical-free

Risk-free

Geolife® technology

An innovative manufacturing and patented process.

Geolife® is a technology for the extraction and stabilization of organic compounds allowing the activation of our products. This technology makes our products unique, easy to use and safe for the user, animals and the environment.

Idor®

Natural solution for the treatment of septic tanks of up to 3m³ and for domestic drains, such as washbasin siphons and sanitary plumbing

Natural product made with selected and safe microorganisms and enzymes, designed for breaking down the organic residues commonly found in household pipes that cause unpleasant odours.

OBJECTIVES

in the water

Optimising the natural purification process

Descaling

Eliminating bad odours coming from drains

Maintain domestic black water systems in good condition

- To activate, balance and accelerate indigenous microbiological activity.
- Acceleration of microbiological degradation of organic substances in the septic tank and pipes that are the cause of bad odours.
- Idor® accelerates microbial processes that break down and dissolve incrustations that cause blockages in pipes.

Our results

Example of results on a septic tank. Rifugio Savoia, Aosta Valley, Italy - 2016

- The cabin is located in the Grand Paradis National Park.
- The cabin's guests complained to the manager about bad odors from toilets and sinks with obvious damage to the reputation.
- In 2015, the BOD_5 limits (200 mg/LO_2) had been exceeded and the cabin had to pay a fine, in addition to the cost of emptying the tank.

For this reason and based on BOD_5 values, septic tank size, and average daily visits, a four-treatment schedule for the 2016 season was organized as follows:

- **1° application:** at the start of operations (mid-June), a 2.25 kg package of Idor® was poured directly into the septic tank to quickly start microbial activity;
- **2° application:** in mid-July, a 0.75 kg packet of Idor® was poured into the drains of the refuge;
- **3° application:** in mid-August, a 0.75 kg packet of Idor® was poured directly into the septic tank;
- **4° application:** at the end of the season (mid-September): 1 package of 2.25 kg of Idor® was poured directly into the cabin's drainage system.

PARAMETERS	Legal Limits	WITHOUT IDOR®	AFTER 1ST APPLICATION	AFTER 2ND APPLICATION
BOD_5 [mg/l]	**200**	**334**	**158**	**29**
SST [mg/l]	**160**	**144**	**120**	**10**

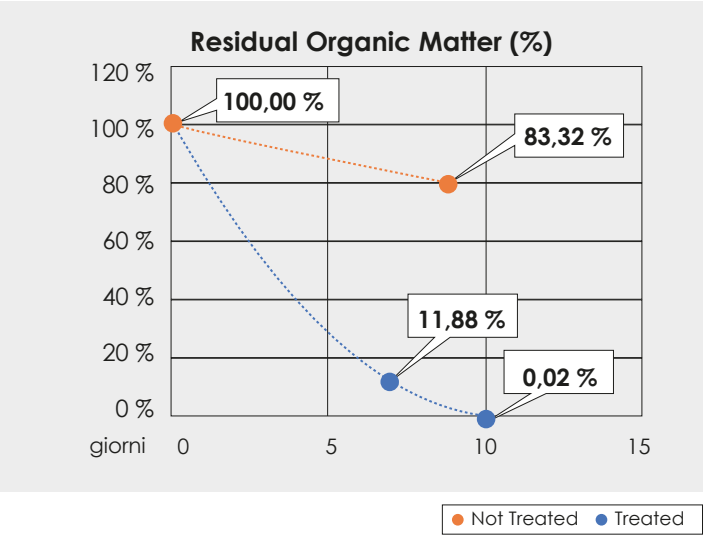
- *Parameters above legal limits*
- *Parameters close to the legal limits*
- *Optimal parameters*

Reduction in total suspended solids (TSS)

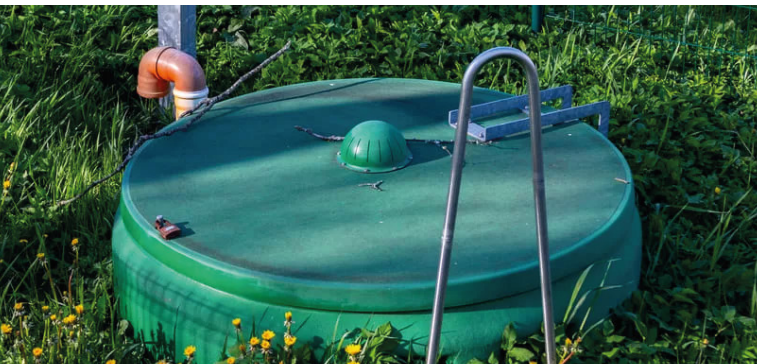
TSS values also decreased from near legal limitations (140 mg/l) in 2015 to 120 mg/l at the end of July 2016, and at the end of August 2016, the same value decreased to 10 mg/l with an elimination efficiency of 93.6% compared to the TSS entering the installation.

Example of results on sludge from urban wastewater.
AQP - Aquedotto Pugliese, Foggia, Italy - 2018

The test was performed on two tanks equipped with a mixer and filled with an activated sludge solution. The treated tank had a higher organic matter concentration than the untreated tank by about 20%, however, the contribution to the degradation of organic substances provided by the Idor® bacterial consortium is obvious and resulted in a significant increase in the efficiency of the system.



As regards the reduction in total suspended solids (TSS), the effects on water turbidity after 20 days of treatment were clear: at the end of the study, total suspended solids were 2.8 mg/Kg in untreated tank while they were 1.09 mg/Kg in treated one.



Processing and conservation:

Microorganisms and enzymes for bioremediation of domestic drains and septic tanks.
Closed packaging, can be stored for 2 years in a dry environment between 10° C and 43° C, protected from sunlight. Opened packaging, can be stored for 3 months at room temperature and protected from sunlight (if properly closed and protected from humidity).

Composition:

Idor®

Dried and selected cultures of microorganisms on a substrate of cereals and talc.

Compliace:

The Idor® range includes only organisms that are naturally present in nature and non-hazardous (WHO Class 1) and is totally free of genetically modified organisms (GMO free).

In the EU, the principles of the GHS are ratified in the EU-1272/2008 (CLP) regulation.
In accordance with this regulation, the Idor® range does not require classification or labelling according to its physicochemical properties, its effects on the health and safety of the environment and does not require a safety data sheet.

Manufacturer

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I AM CHEMICAL FREE

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