

## Swimming pond with adjacent biotope

Bürglen, Ct. Thurgau, Switzerland

„Works despite climate change“



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Switzerland**

### Operation

1 OLOID Type 200 A  
in swimming pond biotope  
with approx. 240 m<sup>3</sup>

### Period

since 2017

### Success

pH-value: 8.2

Alkali content: 180 ppm

Avoiding algae blossoming

Biotope revitalisation

### Description of the facility

The natural swimming pond, which was built at the beginning of 2016, is 5 m wide, 16 m long and 2.2 m deep. The biotope areas bordering on both sides are between 0.3 m and 1.5 m deep and together have an area of approx. 100 m<sup>2</sup>. While the rectangular swimming and therapy area relates to the architecture of the house, the free-form biotope areas create a connection to the natural environment. The basin was covered after excavation with construction fleece and a 1.5 mm-thick synthetic rubber foil. The swimming area was set like a log cabin made of freshly cut spruce and a floor of cement slabs. In the entrance area, a pedestal with wooden floor was installed for therapy purposes, while the rest of the biotope area was covered with wall gravel and humus. If the rainwater is insufficient, the pond will be filled from the hydrant (which was no longer allowed in the summer of 2018).

### Goal of the OLOID-operation

After major problems with silting-up in the first two years, the customer opted for an OLOID Type 200 A at the end of 2017.

### Success

Mr. Zwissler: „At the beginning of the operation, the swimming area was already so covered with algae that we carried out a purge there. Within about 4 months, the water became clearer and the intervals of the OLOID operation could be shortened continuously. After all, even in the extremely hot period of 2018 (June and August), we were able to limit the usage to just a few hours a week. The water values (pH and alkali) are good now. The use of the OLOID offers an unexpected comfort on days when the water at the surface has too high temperatures and can be mixed with the cooler water at the bottom of the pool, which apparently also pleases the many frogs and other roommates and leads to a great biodiversity.“

*The project was planned / drawn by the builder Ruedi Zwissler and executed by Allemann Naturgärten.*

*Homepage: [www.zwissler.ch](http://www.zwissler.ch)*