



**Penergetic Technology –
a holistic,
overall ecological solution**

**Explanatory notes about
the products**

Recommendations





Water - A precious resource

1: Households, industry, agriculture –

AquaKat & ThermoKat = drinking water vitalisation

In a nutshell: Problems with lime reduced, water quality improved

2: Biotopes and surface water

Penergetic-w surface water = for clear ponds, biotopes and small bodies of water

In a nutshell: Algae reduced and mineralisation of sediments improved

3: Waste water / Mud reduction

Penergetic-w mud reduction = Activation of the microorganisms in waste water

In a nutshell: For preliminary purification and odour reduction in domestic waste water

4: Groundwater

Penergetic-w groundwater = for cisterns and wells

In a nutshell: Activation of water's self-cleaning powers and support for AquaKat

A cycle is closed, resulting in continual improvement of the entire ecosystem until an optimum state is attained.

Explanation of the products



AquaKat / Water revitalising

A very interesting product from Penergetic is the AquaKat. It serves the improvement of tap or drinking water. Even this products works with frequencies (e.g. natural spring water and oxygen), that resonate with the tap water. It varies according to the present quality. Sometimes until the original source of water structure and its quality characteristics.

Facts

- Poor water quality
- Maintenance costs
- Lacking biological conversion of various contaminating substances
- Water's self-cleaning capacity is inadequate

Results

- Improved water quality
- Stabilisation of the microbiology
- Increased nitrification and denitrification
- Metabolisation of various nutrients and contaminants

Application

| | | |
|--------------|-------|--------------------------------|
| AquaKat XL | 523A9 | up to 6.0m ³ / day |
| AquaKat L | 522A9 | up to 3.0m ³ / day |
| AquaKat M | 521A9 | up to 0.75m ³ / day |
| AquaKat S | 520A9 | up to 100 lt / day |
| AquaKat Flow | 540A9 | up to 1m ³ / day |
| ThermoKat M | 511A9 | up to 500 lt / day |
| ThermoKat L | 510A9 | up to 1500 lt / day |

Installation

Directly on the water pipe



Penergetic-w ground water

This product is a calcium carbonate basic, which was charged with the frequencies of AquaKat. The ground water is revitalized and the natural degradation and self-cleaning process are activated.

Facts

- Poor water quality
- Lack of vital water
- Lacking biological conversion of various contaminating substances
- Water's self-cleaning capacity is inadequate

Results

- Improved water quality
- Stabilisation of the microbiology
- Increased nitrification and denitrification
- Metabolisation of various nutrients and contaminants

Application

In cisterns and drinking water reservoirs

Dose

Initial application:

- Water capacity of up to 100 m³ 3gr / m³
- Water capacity of up to 1000 m³ 2gr / m³
- Water capacity of over 1000 m³ 1gr / m³

This initial application is to be followed up by regular doses of 1gr of Penergetic-w ground water per m³ of inflowing water.

Application

In wells, springs

Dose

For an average level of water consumption by up to 8 persons:

- Initial application, one-off dose of 100 g
- Subsequent fortnightly applications of 50 g.



Penergetic-w surface water / stabilisation

This product is a very fine quartz powder, which contains frequencies of oxygen and minerals. These have an activating effect on the aquatic own biology and inhibit the growth of algae. This leads to improved mineralization of nutrients and suspended solids, and the reduction of algae growth on a natural measure, which corresponds to the water type.

Facts

Excessive algae growth
 Oxygen deficiency
 Poor conditions for plants and animals

Results

Improved water quality
 Algae growth reduced to a natural level
 Ecological stabilisation
 Improved living conditions for plants and animals
 Improvement in appearance

Application

Ponds, Biotopes, small lakes

Dose

Initial application

| | | | |
|------------------------|---------------------|-----|------------------|
| Water expanse of up to | 10 m ² | 5 | g/m ² |
| Water expanse of up to | 100 m ² | 3 | g/m ² |
| Water expanse of up to | 1000 m ² | 2 | g/m ² |
| Water expanse of up to | 2000 m ² | 1.5 | g/m ² |
| Water expanse of over | 2000 m ² | 1 | g/m ² |

Subsequent applications

1 g of Penergetic-w per m² is subsequently applied after 4 weeks at the latest, and this dose is continued until ecological stabilisation occurs. Otherwise, 1 g / m² as necessary, e.g. after heavy rainfall

Rainwater collecting tank

Initial application

| | | | |
|-------------------------|--------------------|---|------------------|
| Water capacity of up to | 10 m ³ | 5 | g/m ³ |
| Water capacity of up to | 100 m ³ | 3 | g/m ³ |
| Water capacity of over | 100 m ³ | 2 | g/m ³ |

Subsequent applications



1 g of Penergetic-w per m³ of water intake.

Penergetic-w salt water

This product is a very fine quartz powder, which contains frequencies of oxygen and brine. These have an activating effect on the aquatic own biology and inhibit the growth of algae. This leads to improved mineralization of nutrients and suspended solids, and the reduction of algae growth on a natural measure, which corresponds to the water type.

Starting position and effect see surface water

Dose

Initial application

| | | | |
|------------------------|---------------------|-----|------------------|
| Water expanse of up to | 10 m ² | 5 | g/m ² |
| Water expanse of up to | 100 m ² | 3 | g/m ² |
| Water expanse of up to | 1000 m ² | 2 | g/m ² |
| Water expanse of up to | 2000 m ² | 1.5 | g/m ² |
| Water expanse of over | 2000 m ² | 1 | g/m ² |

Subsequent applications

With this dose is continued until ecological stabilisation occurs. Otherwise, 1gr / m² as necessary, e.g. after heavy rainfall



Penergetic for waste water / mud reduction

Also in this product is a very fine quartz powder, which was charged with a vibration-reducing micro-organisms and slime from mineralizing frequency. This improves the mineralization of organic matter in ponds and waste water plants. This process leads to a reduction of the sludge.

Facts

- Odour nuisance
- Poor treatment efficiency
- Poor conditions for plants and microbiology

Results

- Improved water quality
- Stabilisation or reduction of COD and BOD
- Reduced odour nuisance
- Stabilisation of the microbiology

Application

Waste water plants and mud reduction in ponds

Dose

Initial application

| | | | |
|------------------------|---------------------|-----|------------------|
| Water expanse of up to | 10 m ² | 5 | g/m ² |
| Water expanse of up to | 100 m ² | 3 | g/m ² |
| Water expanse of up to | 1000 m ² | 2 | g/m ² |
| Water expanse of up to | 2000 m ² | 1.5 | g/m ² |
| Water expanse of over | 2000 m ² | 1 | g/m ² |

Subsequent applications

In the period from autumn to spring treated after 4 weeks 1g Penergetic w per m².