

Vickzyme Block Blue

The cost-efficient microbial booster for your activated sludge for increasing biological treatment capacity, and optimizing effluent quality



MalaTECH
water

Wastewater treatment plant operators used to believe that bioaugmentation is a high-cost application to optimize their plant. Malatech Water, Ltd. became a pathbreaker in the creation of cost-effective bioaugmentation materials for its customers. We created our products with an approach to provide more savings, and financial benefit for our customers than they spend on our technologies on a yearly basis. Vickzyme Block Blue is a water-soluble block of naturally occurring beneficial bacteria which meets with its primary design principles we targeted at its R&D process:

- Easy to use and handle for the operator's crew. The product is a water-soluble block with blue color. We equipped all boxes with a net, where the operators can place the block after removing the foil cover from the block. The content slowly dissolves from the net, whenever it runs empty, operator just needs to put a new block in place (once every 1-2 weeks).
- Broad spectrum of use. Vickzyme Block Blue can be used with success by any industrial or municipal biological WWTP's targeting better, and more stable effluent parameters (COD, BOD, TSS, NH₄-N, TN, TP) with increasing the biological treatment capacity to the activated sludge.
- Low specific cost for its application.

Vickzyme Block Blue contains large amounts of heterotrophic beneficial facultative anaerobic microorganisms carefully selected for high metabolic activity, and supplied with an adequate enzymatic system to increase the overall wastewater treatment capacity of the biology, and for the improvement of floc structure.

FIELDS OF APPLICATION

- Industrial, and municipal activated sludge wastewater treatment plants
- Industrial, and municipal fixed film wastewater treatment plants
- Effluent holding tanks, lagoons, tertiary treatment ponds
- Influent digesters
- Biological leachate treatment processes

BENEFITS OF VICKZYME BLOCK BLUE

- Biological treatment capacity improvement, effluent quality optimization by advanced metabolic rate (COD, BOD, TSS, NH4-N, TN, TP) for overloaded plants (see also: [Bioclean TM](#), [BioGuarde I](#), [BioGuarde II](#), and [Ammonia Guarde](#) in this subject)
- Floc structure, and SVI optimization at activated sludge WWTP's (see also: [Bioclean TM](#), [Bioguarde I](#), [Bioclean ALPHA](#) in this subject)
- Boosts the natural treatment process in wastewater plants by adding to the microbial activity
- Works in anaerobic, anoxic, and aerobic conditions as well
- Works effectively without introducing environmentally hazardous chemicals
- Safe, cost-effective and easy to incorporate into your normal treatment routine
- 100% biodegradable, non-toxic, non-hazardous



APPLICATION OF VICKZYME BLOCK BLUE DOSING, PLANT SETUP, TECHNICAL INFORMATION

IMPORTANT INFORMATION:

For determining exact dosages for your WWTP, please provide us information by sending us our questionnaire filled with information as much as possible: [Click here for questionnaires!](#)

Whenever you have any questions, do not hesitate to [contact us!](#)

The application of Vickzyme Block Blue does not require any changes in your activated sludge WWTP's operational setup, you can go ahead with the settings you are used to.

DOSAGE

2 – 4 Vickzyme Block Blue / 1000 m³/d wastewater / month

DOSING LOCATION

First biological reactor of the system is recommended

In case of plants running with generally high MLSS, and sludge age, or extremely high MLSS, and sludge age (UF membrane systems), please [contact us](#) for further assistance, also please contact us for Complete Process Engineering Assistance service to extract the most of your WWTP with Vickzyme Block Blue!

