

Vickzyme Block Pink

The cost-efficient enzymatic booster for your activated sludge in excess sludge reduction, and nutrient removal



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 Pink is an enzymatic block 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 pink 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 Pink can be used with success by any industrial or municipal biological WWTP's targeting more stable treatment performance of the activated sludge in nutrient (N,P) removal, and less excess sludge production.
- Low specific cost for its application.

Vickzyme Block Pink is an enzymatic product with high active agent content. Its components significantly increase the metabolic rate of wastewater treatment's microorganisms, and facilitate metabolic pathways preferable for efficient operation: they intensify biological Nitrogen removal, and increase excess Phosphorous uptake rate. A significant ratio of excess sludge produced at a wastewater treatment plant consists of hardly biodegradable cell debris, which is residue of dead cells. Degradation of large molecules begin with exocellular enzymatic processes, which means the rate of enzyme production defines its speed. With Vickzyme Block Pink, exocellular enzymes are introduced into the system, which significantly enhance the rate of cell debris degradation. Thanks to these, excess sludge production gets reduced, and the inactive part of the activated sludge decreases.

VICKZYME BLOCK PINK - FIELDS OF APPLICATION AND BENEFITS

- Excess sludge reduction at activated sludge WWTP's by 7-15% (see also: [Bioclean TM](#), and [Bioclean ALPHA](#) for excess sludge reduction)
- Advanced metabolic rate & nutrient removal (N,P) capacity at activated sludge WWTP's (see also: [Bioclean TM](#) for nutrient removal enhancement)

APPLICATION OF VICKZYME BLOCK PINK 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 Pink 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 Pink / 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 Pink!