

COUGAR COATINGS Estd. 1988 **WASTEWATER DIVISION**

Supplying unique solutions for the water and waste water industry



BIO-BLOK® INTELLIGENT FIXED FILM BIOLOGICAL FILTER MEDIA

2.2.2. Submerged, Aerated Filters

The amount of microorganisms decides the removal rate in treatment plants. An increase of microorganisms can be achieved by installing BIO-BLOK®. By applying the BIO-BLOK® products, a large surface will be established on which the microorganisms fix. Thus the amount of microorganisms in the treatment plants increases, hence removal rates and plant capacity increase significantly.

Advantages:

- Cheap and fast installation by means of submerged aeration pallets.
- The efficiency in a treatment plant can increase by up to 400% without extending the reactor volume.
- By applying submerged aeration pallets, control is ensured and replacement of air diffusers can easily be done without interrupting the treatment plant.

The fixed film technology ensures stable operation, tolerates large fluctuations in load, and is less sensitive towards acute toxic shocks.

Fields of application:

- New treatment plants.
- Increase of treatment capacity in existing treatment plants.
- Improvement of operation and treatment processes in existing treatment plants.
- Small modular treatment units from 5 PE and up.
- Treatment plants for industries, recycling, and pre-treatment.

VAT Registration Number 491201374

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