

# BioforZe HYDROBLOCK DEGRADATION OF HYDROCARBONS AND ORGANIC MATTER IN WATER SYSTEMS

## BIOTECHNOLOGICAL SPECIALITIES

### INDUSTRY-MUNICIPALITIES

Oil separators for treating wastewater from tunnel car washes or the forecourt of service stations have various problems due to the characteristics of the wastewater that they treat.

Hydrocarbons are generally effectively eliminated to meet the required levels in the effluent. However, some oil accumulates and can block components and disrupt the correct operation.

In addition, due to the principle of physical separation, oil separators cannot eliminate organic matter dissolved in the wastewater. This is particularly important in the case of surfactants used to wash vehicles, which reach high concentrations in the water systems of tunnel car washes and manual car wash areas.

**BioforZe HYDROBLOCK** is an innovative product that includes natural microorganisms that are specially selected to break down hydrocarbons, including those found in petrol, diesel and mineral oils: BTEX, aliphatics of low and high molecular weight, and chlorinated compounds, among others.

In addition, **BioforZe HYDROBLOCK** microorganisms can degrade the anionic and non-ionic surfactants found in detergents, as well as many other organic compounds that could be found in these kinds of wastewater.

Finally, **BioforZe HYDROBLOCK** also helps to control the bad smells that arise in these installations, particularly when water is reused for the first rinse.

The microorganisms in **BioforZe HYDROBLOCK** are distributed throughout the installation and the water system, and act on residue build-up (in the water input tank and settling tanks). The product breaks down accumulated organic matter and thus prevents the formation of unpleasant or noxious odours.

**BioforZe HYDROBLOCK** is easy to use, due to its presentation in compact blocks that gradually dissolve in the wastewater.

**BioforZe BLOCK** is formulated with strictly non-pathogenic microorganisms, according to European Directive 2000/54/EC.

#### APPLICATIONS

**BioforZe HYDROBLOCK** can be used for:

- Batteries of oil separators in service stations (forecourt).
- Wastewater treatment systems for automatic car washes (tunnels and manual car wash areas).
- Oil separators in industry, workshops, etc.

## ADVANTAGES

### BIOTECHNOLOGY INNOVATION

- Reduces the accumulation of floating matter in the separator.
- Reduces costs associated with cleaning the installation.
- Ensures that effluent regulations for hydrocarbons and surfactants are met.
- Reduces bad smells.
- Easy to use, due to its presentation in blocks.

## DOSAGE AND INSTRUCTIONS FOR USE

The dosage of **BioforZe HYDROBLOCK** depends on many factors, such as the flow of water that is treated in the installation.

A block of the product could last between 2 and 4 months, depending on the specific characteristics of each installation, the level of rainfall, the effluent temperature, and other factors.

Consequently, the dosage will be established after an in-depth study of each case by our Technical Service.

To apply **BioforZe HYDROBLOCK**, simply suspend the blocks from a chord in the medium to be treated. **BioforZe HYDROBLOCK** will float on the surface of the accumulated water and will immediately start to release microorganisms into the medium.

Once the blocks have been used up, they should be replaced by new ones.

In terms of the position of the blocks, **BioforZe HYDROBLOCK** should preferably be situated before the oil separator (in the settling tank or the water input tank) or, if this is not possible, in the first compartment of the oil separator.

## CHARACTERISTICS

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|--------------------|---|
| - Appearance:      | Compact pink block  |
| - Bacterial count: | 3 billion microorganisms per gram                           |
| - Composition:     | Natural microorganisms, nutrients and biological stimulants |

## RECOMMENDATIONS

- Store in a cool, dry place.
- Avoid inhaling the powder.
- Avoid prolonged contact with the skin.
- In the event of contact with skin, wash thoroughly with soap and water.
- For further information, see the product's safety data sheet.

## PACKAGING

Boxes containing six 750-gram blocks.