

BioforZe CLAR

BIOLOGICAL ACTIVATOR

BIOTECHNOLOGICAL SPECIALITIES

INDUSTRY

BioforZe CLAR is a biological activator for water treatment plants comprised of a specific combination of microporous mineral supports and selected microorganisms.

The mineral fraction has an important function in the biological water treatment, due to:

- The high specific surface area of the selected minerals, which helps the water treatment biomass to become fully established and protects it from adverse conditions in the medium.
- The chemical composition, which improves sludge sedimentation and provides a medium with considerable ion exchange capacity, particularly regarding heavy metals.
- It provides the trace elements required for the correct development of the treatment biomass.

The selected microorganisms in **BioforZe CLAR** lead to rapid establishment of the biomass in the medium.

BioforZe CLAR can be used in biological treatment plants in all industrial sectors, and promotes:

- Enhanced development and increased density of the biomass.
- Improved sedimentation of biological sludge.
- Reduction in suspended solids and the COD in the plant's outflow, mainly when the sludge is affected by development problems that lead to the formation of two sizes of flocs.
- An ideal medium for the start up/restart of biological systems.
- A medium that protects the biomass from toxic or pH shocks.

For many of these applications, such as water treatment plant start-ups, **BioforZe CLAR** should be used in addition to **BioforZe**, which is adapted specifically to the nature of the effluents treated in the plant.

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

DOSAGE AND INSTRUCTIONS FOR USE

The recommended dose for each case will be defined by our Technical Service, after a specific study of each application.

As a general rule, the following considerations should be taken into account:

- First week of treatment: Between 50 and 200 g/m³ of aerated lagoon per day.
- Then: Between 100 and 400 g/m³ of sludge extracted/week.

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- Then: Between 20 and 50 g/m³ flow that is treated.

CHARACTERISTICS

- Appearance: Light grey powder
- pH (1%): 7.5 – 8.5
- Bacterial count: 2×10^7 /g

RECOMMENDATIONS

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

PACKAGING

25-kg tubs.