

# Technical Information

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# derypol

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## Himoloc AFA40

Product for water treatments

### DESCRIPTION

**Water treatment flocculant where a medium anionic charge is needed.**

**Specially designed for applications where any residual acrylamide is not allowed.**

Better dissolution compared to emulsion and solid products.

The product is free of organic solvents, surfactants and volatile organic compounds (VOCs).

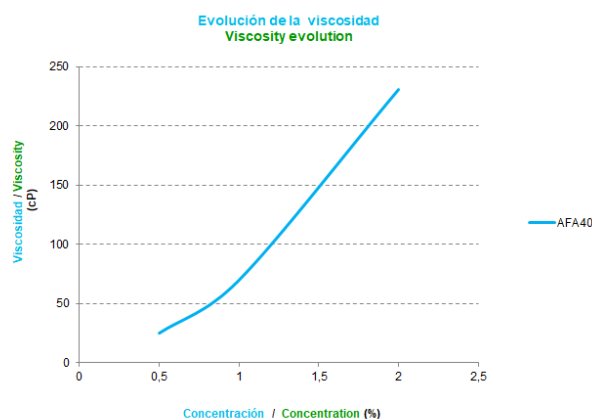
Its main ingredients are: polymer, salts and water.

Non acrylamide based product.

### CHARACTERISTICS

Type of product	: Water dispersion anionic polymer
Appearance	: White milky liquid
Ionic character	: Medium anionic
Odor	: Salty odor
Density	: $\approx 1.2 \text{ g/cm}^3$
pH	: 4,0 – 5,5
Viscosity	: $\leq 2000 \text{ cP}$
Molecular weight	: Very high
Shelf life	: We recommend not keeping the product for more than 9 months

*Note: The parameters indicated here are not necessarily the specifications of the product. These will be agreed with each customer and will be part of the contract that must be respected for each batch supplied.*



## APPLICATION

- It is recommended to dissolve the product in water prior to use. It dissolves easily in any proportion. The only limitation is the viscosity of the solution. It is advisable not to exceed concentrations higher than 5%.
- In order to achieve the maximum product performance it is necessary to choose the most appropriate dosage and dosage point.
- Any quality of water can be used for its preparation. Depending on it, the final solution will have a variable stability or variable usage time, It can be dosed using a static mixer.
- It can work alone or in combination with other products commonly used in water treatment, such as: aluminum sulphate, aluminum polychloride, ferric chloride, polyamine, lime, etc.
- It is important to avoid the entry of water into the product circuit, so it is recommended to use non-return valves. If this were to happen, gels could be formed and could block the pipes.

Consult with our technical staff in case of any doubt.

## BENEFITS

The following treatments are recommended:

- Mining: Separation of minerals.
- Industrial Water Flocculant (decantation or flotation).
- Effective in a wide range of pH.
- It does not cause the emission of Volatile Organic Compounds (VOCs).
- Its manufacturing process has a low environmental impact, compared with the manufacturing processes of emulsion and powder flocculants.
- Acrylamide-free product, so it can be used in water and sludge treatment systems destined to the agriculture.

## STORAGE AND DISTRIBUTION

- The product should be kept in a covered place, the container tightly closed, protected from sunlight and within the temperature range recommended in Section 7 of the Safety Data Sheet.
- Once the container is open, avoid contamination with any other water based product and/or with strong bases. Check the Material Safety Data Sheet.
- Take the habitual precautions when handling a chemical product. Avoid the product to contact with eyes, skin or clothes.
- There is a great variety of containers. Check with our Customer Service in order to choose the most convenient one.

## REGULATORY

Consult our technical staff in case of any doubt.