

# Technical Information

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# derypol

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## Himoloc TG971

Product for paper and paperboard manufacturing

### DESCRIPTION

**Retention and drainage agent for the manufacturing process of paper, especially recommended for high conductivity conditions..**

Better dissolution compared to emulsion and solid products.

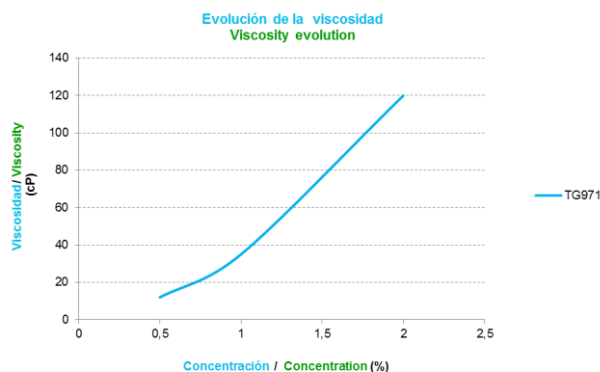
The product is free of organic solvents, surfactants and volatile organic compounds (VOCs).

Its main ingredients are: polymer, salts and water.

### CHARACTERISTICS

|                     |   |
|---------------------|---|
| Type of product     | : Water dispersion cationic polymer                           |
| Appearance          | : White milky liquid  |
| Ionic character     | : Cationic  |
| Odor                | : Salty odor  |
| Density             | : 1.2 g/cm <sup>3</sup>                                       |
| pH                  | : 3,5 - 4,5   |
| Residual Acrylamide | : ≤ 250 ppm   |
| Viscosity           | : < 3000 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 a 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 can be dosed using a static mixer.
- In order to use it as a retention agent in the manufacturing process of paper, consult our technical staff.
- 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.
- In order to achieve the maximum product performance it is necessary to choose the most appropriate dosage and dosage point.

Consult with our technical staff in case of any doubt.

## BENEFITS

The following treatments are recommended:

- Retention agent of fibers and charges in the manufacturing process of paper and paperboard.
- Improves the drainage process in the production of paper and paperboard, increasing the productivity of the machine.
- Micro polymer with 3D structure that improves the sheet formation and paper mechanical properties.
- Recovery of fibers and charges.
- Highly recommended in retention and drainage programs in combination with other polyacrylamides.
- Water treatment in paper mills (water treatment + sludge treatment).
- Recommended in closed high conductivity circuits.
- It does not cause the emission of Volatile Organic Compounds (VOCs).

## 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.

The product abides by the next regulations:

- BfR – Recommendation XXXVI: Paper and Board for food contact – B: Production aids – III: Retention agents