

# Technical Information

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# derypol

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## HIMOLOC TG226B

Product for paper and paperboard manufacturing

### DESCRIPTION

**Brine Dispersion Polymer with medium cationic charge and low molecular weight.**

Better dissolution compared to emulsion and solid products.

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

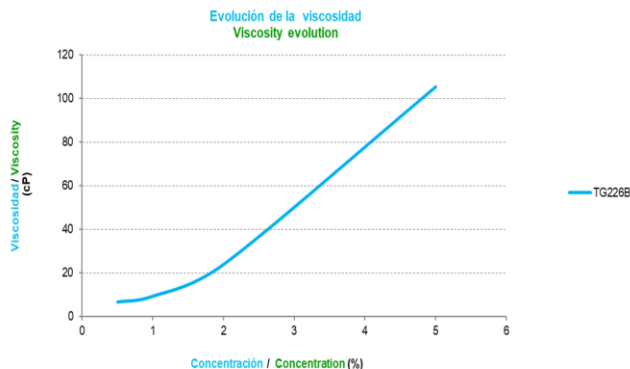
Its main ingredients are: polymer, salts and water.

### CHARACTERISTICS

Type of product	: Water dispersion cationic polymer
Appearance	: White milky liquid
Ionic character	: Cationic
Odor	: Salty odor
Density	: $\approx 1.2 \text{ g/cm}^3$
pH	: 3.5 – 5.5
Viscosity	: $\leq 5000 \text{ cP}$
Molecular weight	: Low
Shelf life	: We recommend not keeping the product for more than 9 months.

*Notes: The shelf life period is only applicable if the product is kept in its original container and stored under the conditions recommended in this document and in section 7 of the safety data sheet.*

*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 can be dosed using a static mixer.
- After a long static period, and in order to achieve optimum performance, it is recommended that the product is shaken-homogenised before application. This homogenisation can be done several days before consumption.
- 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.
- If the stored product is submitted to significant cyclic temperature changes, gel particles may be generated on the surface as a result of water evaporation-condensation phenomena.
- The product packed in translucent containers can acquire yellowish tones due to the effect of sunlight. However, this does not affect the quality or performance of the product.

Consult 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.
- Hybrid Systems to improve Retention & Drainage compared with Single Flocculant Systems.
- 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.
- After long periods of storage the product may show a slight phase separation (this separation does not represent any degradation of the active product), in these cases it is recommended to shake the product before use.
- It does not cause the emission of Volatile Organic Compounds (VOCs).
- Its manufacturing process has a low environmental impact compared to any other flocculant manufacturing system. Its carbon footprint is lower than that of any equivalent emulsion product.

## 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 the eyes, skin or clothes.
- There is a great variety of containers. Check with our Customer Service in order to choose the most convenient one.
- For bulk product avoid metal tanks. Plastic materials are recommended (polypropylene, polyethylene...).
- After long periods of storage the product may show a slight phase separation (this separation does not represent any degradation of the active product), in these cases it is recommended to shake the product before use.

## REGULATORY

Consult with 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