

# Technical Information

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# derypol

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## Himoloc KD2025

Product for paper and paperboard manufacturing

### DESCRIPTION

**Retention agent and drainage in the manufacturing process of paper.**

Better dissolution compared to emulsion and solid products.

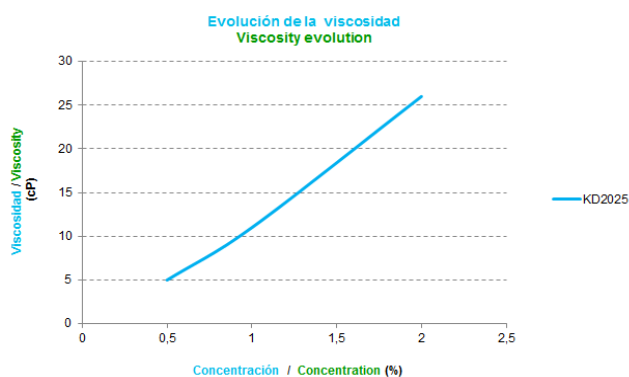
The product is free of organic solvents, surfactants and volatile organic compounds (VOCs).

Its main ingredients are: polymer, salts and water.

### CHARACTERISTICS

Type of product	: Cationic acrylamide copolymer in aqueous dispersion.
Appearance	: White milky liquid
Ionic character	: Cationic
Odor	: Salty odor
Density	: 1.1 - 1.3 g/cm <sup>3</sup>
Residual Acrylamide	: ≤ 250 ppm
pH	: 5 - 7
Viscosity	: ≤ 3000 cP
Molecular weight	: Medium-Low
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%.
- It can be dosed using a static mixer.
- 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 our technical staff in case of any doubt.

## BENEFITS

- Improves drainage.
- Increases retention of fibers, fillers and fines.
- It does not cause the emission of Volatile Organic Compounds (VOCs).
- Increases machine speed,
- Increase productivity.
- Improves paper quality.

## 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 all the habitual precautions when handling any chemical product. Avoid contact with eyes, skin or clothes. Though it does not produce dangerous vapours under normal handling we recommend using the product in well ventilated areas.
- 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:

- FDA – 21 CFR 176.110 Components of paper and paperboard in contact with aqueous and fatty foods.
- BfR- Recommendation XXXVI: Paper and Board for food contact – B: Production aids – III: Retention agents.
- GB9685 – Hygienic Standards for Uses of Additives in food containers and packaging materials.