

# Technical Information

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# derypol

C/ Plató 6, Entlo. 5º- 08021 Barcelona (Spain)  
Tel. (93) 238 90 90, Fax (93) 238 90 91  
www.derypol.com

## HIMOLOC TG325

Product for paper and paperboard manufacturing

### DESCRIPTION

**Retention and drainage agent for 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).

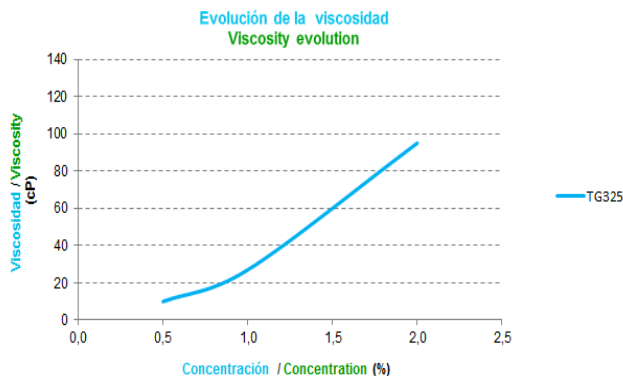
Its main ingredients are: polymer, salts and water.

### CHARACTERISTICS

Type of product	: Water dispersion cationic polymer
Appearance	: White milky liquid
Ionic character	: Cationic
Odor	: Salty odor
Density	: 1.2 g/cm <sup>3</sup>
Residual acrylamide	: ≤ 250 ppm
pH	: 3 – 4.2
Viscosity	: ≤ 1500 cP
Viscosity at 1%	: 30 – 45 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.*

*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.*



## 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
- 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 use it as a retention agent in the manufacturing process of paper, consult our technical staff.
- 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:

- Improves the drainage process in the production of paper and paperboard, increasing the productivity of the machine.
- Retention agent of fibers and charges in the manufacturing process of paper and paperboard.
- Highly recommended in retention and drainage programs in combination with other polyacrylamides.
- Micro polymer with 3D structure that improves the sheet formation and paper mechanical properties.
- Recovery of fibers and charges.
- Water treatment in paper mills (water treatment + sludge treatment).
- 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:

- FDA – 21 CFR 176.170 (a) (5) – and 21 CFR 176.180 (b) (1) for paper and paperboard in contact with food
- 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.