

Technical Information

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derypol

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

Himoloc HB3522

Product for paper and paperboard manufacturing

DESCRIPTION

Retention agent and drainage in the manufacturing process of paper.

Better dissolution compared to the emulsion and solid products.

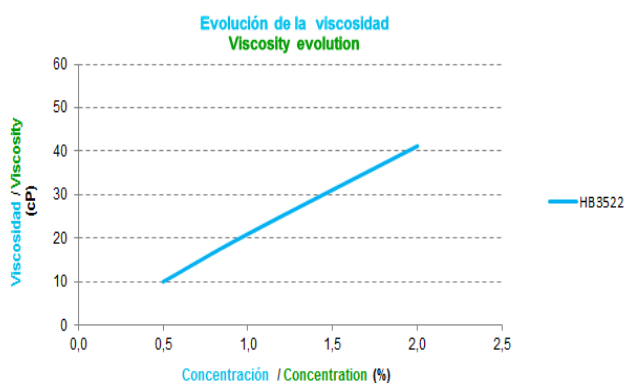
The product is free of organic solvents, surfactants and volatile organic compounds (VOCs).

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	: 1.2 g/cm ³
pH	: 3 - 4.5
Residual Acrylamide	: <250 ppm
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 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.
- It is advisable not to exceed concentrations higher than 5%.
- Any water quality can be used for its preparation. Depending on this, the final solution will have a variable stability or variable usage time.
- In order to achieve maximum performance of the product, it is necessary to choose the most appropriate dosage and the dosage point.
- 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 our technical staff in case of doubt.

BENEFITS

The following treatments are recommended:

- Improves the drainage process in the production of paper and paperboard, increasing the productivity of the machine.
- Highly recommended in retention and drainage programs in combination with other polyacrylamides.
- It improves the drainage in the paper machine. It favours the drying of paper as well, reducing the steam needs on this step of the process.
- Recovery of fibers and charges.
- Micro polymer with 3D structure that improves the formation of the sheet and the mechanical properties of the paper.
- 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.
- There is a great variety of containers. Check with our Customer Service in order to choose the most convenient one.

REGULATORY

- 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.

Consult our technical staff in case of doubt.