

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 DR2500

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.

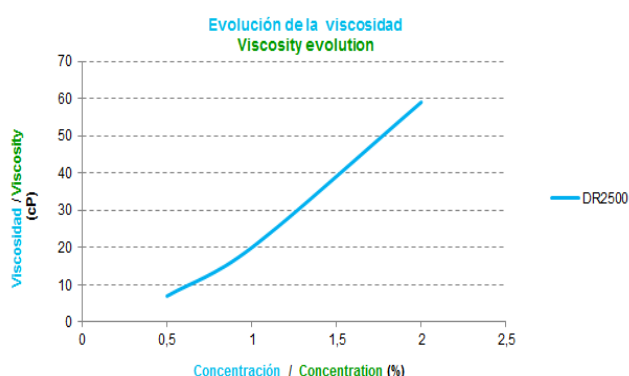
The product is free of organic solvents, surfactants and volatile organic compounds (VOCs).

Its main ingredients are: polymer, salts and water.

CHARACTERISTICS

Type of product	: Water dispersion cationic polymer
Appearance	: White milky liquid
Ionic character	: Low Cationic
Odor	: Salty odor
Density	: 1.2 g/cm ³
pH	: 3 - 4.1
Residual Acrylamide	: ≤250 ppm
Viscosity	: 25 - 400 cP
Molecular weight	: 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.



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.
- 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.
- 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