

# Technical Information

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derypol

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## HIMOLOC GOX101

Product for paper and paperboard manufacturing

### DESCRIPTION

#### Dry strength agent for paper manufacturing.

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.

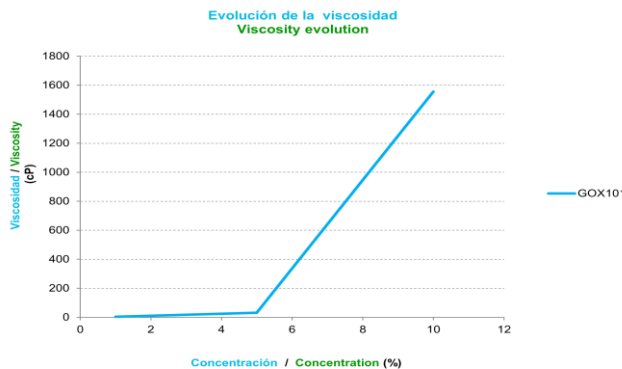
### CHARACTERISTICS

Type of product	: Copolymer of acrylamide anion in aqueous solution
Appearance	: White liquid
Ionic character	: Anionic
Density	: 1.2 g/cm <sup>3</sup>
Residual acrylamide	: ≤ 250 ppm
pH	: 3.0 – 5.0
Viscosity	: ≤ 2500 cP
Shelf life	: We recommend not keeping the product for more than 9 months.

*Note: 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.*

*In case you think of checking the quality of this product, we strongly recommend to do it within the 15 days period after receipt. At the same time, we recommend the product to be stored in those good conditions as indicated in section 7 of the MSDS. In doing it this way, we will avoid any possible deviation owing to inadequate storage conditions. Another option you may consider is sampling the batch-product as it arrives to your facilities. That sample will be easily kept in good conditions and may be analyzed as convenient.*



## APPLICATION

- It is recommended to dissolve the product in water prior to use. It can be dissolved by using a static mixer.
- It is recommended to use it in a programme together with a cationic promoter such as starch or our Hydrosol HYD151.
- 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.
- It is recommended to dose it on the concentrated slurry in the mixing tanks, level box or before the fan pump, at a commercial product dosage of between 4-12 Kg/Tn dry fibre.

Consult our technical staff in case of any doubt.

## BENEFITS

- Improves inter-fibre bonds and mechanical properties.
- Improves dry strength.
- It helps considerably to improve drainage.
- Improves the quality of sheet formation.
- It does not cause the emission of Volatile Organic Compounds (VOCs).
- Its carbon footprint is lower than that of any equivalent emulsion product, its manufacturing process has a low environmental impact, compared with any other process for flocculant products.

## 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. 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.

## REGULATORY

Consult our technical staff in case of any doubt.

The product abides by the next regulations:

- FDA – 21 CFR 176.110 – for paper and paperboard in contact with food.
- FDA - 21CFR 176.180 - Components of paper and paperboard in contact with dry 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.