



Functional chemicals for the paper production

Innovative technologies – every productive second counts

Kurita is your competent partner for comprehensive solutions – our technical sales representatives and application technologists provide you locally with reliable customised services and solutions for your operations.

We take the continuous improvement of your process to heart. Our aim is to support you in reducing water and chemicals consumption and adding value to paper while keeping environment and sustainability in the focus. For good reasons Kurita is one of only 30 enterprises which are listed in the „NAI“ (Nature-Stock-Index).

OUR COMPREHENSIVE SERVICE INCLUDES:

- System surveys and paper testing
- On and off-site staff training
- Development of customised concepts in our pilot paper plant
- Analytical services (on-site and in own laboratories)
- Real-time process monitoring and control concepts
- Engineering services
- Equipment technologies

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The information presented herein corresponds to our interpretation of certain test results and field experience to date. This information is not to be taken as warranty or representation for which we assume legal responsibility. It is offered solely for your consideration, investigation and verification. (201902)



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Kurita is one of the industry leaders in additives for paper manufacturing. With more than 30 years of experience and strong commitment to R&D, we provide you with state-of-the-art solutions, tailored to the specific needs of your process.

BENEFITS

With our technologies we help you:

- REDUCING OPERATION COSTS
- INCREASING PLANT PRODUCTIVITY
- MAXIMISING PLANT LIFECYCLE
- OPTIMISING PLANT AND OCCUPATIONAL SAFETY

As a leading global provider of unique solutions for industries that intensively use water and energy, Kurita has a strong commitment to paper. Our innovative chemistry and a high level of experienced services contribute to achieve operational excellence in the paper manufacturing process. A wide range of functional and process chemicals in combination with our highly skilled team will help you to improve performance and to create value.

We offer a wide range of oxidising and conventional biocides for slime control and preservation with our Dilurit® deposit control programmes that help paper and board makers in keeping machine cleanliness and efficiency on the highest level achievable. In addition, we supply state-of-the-art make-up and dosing equipment as well as on-line monitoring and control technology.

Giluton® strength additives for wet and dry strength improvement offer a maximum strength enhancement in compliance with the regulatory framework conditions. Furthermore, they provide a number of proven benefits to paper such as increased machine speed or a higher utilisation of low cost fiber.

Our innovative Gilufix®, pitch and sticky control programmes offer an appropriate solution for any pitch or stickies related problem via detackification, dispersion or fixation. The results are less sheet brakes, less deposits on fabrics and cylinders, an enhanced machine runnability and a brighter furnish in the de-inking plant.

Technologies, Features and Applications

FUNCTIONAL CHEMICALS	<ul style="list-style-type: none"> • Polymeric Sizing Agents - Perglutin®: outstanding hydrophobation, enhanced pick resistance, decreased dusting and linting, improved printability • Wet Strength Agents - Giluton®: support wet strength, fines and filler retention, trash fixation, performance of other additives, e.g. wet end sizing, creping at the Yankee cylinder (tissue), dry strength, system charge balance • An advanced portfolio fulfilling the needs of particular applications and meeting the requirements of BfR (Bundesinstitut für Risikoanalyse), FDA and China GB 9685-2008-Standard and complying with the requirements of the RAL-Umweltzeichen, the Nordic Swan- and the EU Ecolabel.
PROCESS CHEMICALS	<ul style="list-style-type: none"> • Deposit Control Agents - Dilurit®: a wide range of oxidising and conventional biocides for slime control and preservation • Retention Additives & Flocculants - Labufloc® : organic, inorganic and combined products for retention, drainage acceleration, fiber recovery and sludge dewatering • Pitch and Sticky Control - Gilufix®: innovative and patented technology, a new generation of polymers which enable to easily discharge this disturbing material out of their process via flotation or the paper sheet • Foam Control and De-aeration - Contraspum®: water-based emulsions and concentrated defoamers for foam and air control in stock systems, wet end as well as in sizing and coating applications • Inorganic Flocculants and Fixatives – Gilufloc® Polyaluminiumchlorides have been successfully applied since neutral paper making became a standard. Customers that utilise our Gilufloc®-additives could realise improved wet end sizing performance via fixation of Rosin, AKD or ASA sizing agents, effective fixation of anionic trash, precipitation and flocculation of colloidal substances in highly loaded water cycles. In combination with our cationic Perglutin® brands they provide an unbeatable cost-benefit ratio for sizing of liner grades.
OUR PORTFOLIO IN BRIEF	<ul style="list-style-type: none"> • Giluton®: Wet Strength Agents • Perglutin®: Polymeric Sizing Agents • Dilurit®: Deposit Control Agents • Basidin®: On-line Cleaning • Gilufix®: Pitch and Sticky Control • Labufloc®: Retention Additives & Flocculants • Gilufloc®: Inorganic Flocculants and Fixatives • Contraspum®: Foam Control and De-aeration • Lastabil®: Cost Efficiency and Process Stability in Fiber Bleaching • Paper Specialties: Flame Retardants, Flying-Splice Adhesives, Halogen-free Re-pulping Agents, Tissue Additives