PETROFER offers a wide range of highly sophisticated and specialised chemicals for the paper, tissue, towel, board and converting industries. PETROFER coating and release agents are applied to all types of Yankee cylinder in the tissue industry to produce top quality papers. In the board industry debonders, stiffness improvers, biocides and other products are available. For converting paper, tissue, and board PETROFER offer an extensive range of products to assist slitting, core bonding, blade grinding, topical softeners and many other applications. To support the technically advanced formulated chemistry offering, PETROFER can supply application equipment and advice for Yankee coating chemistry, dosing systems and service support. All the products are rigorously tested and achieve approvals such as BfR, Nordic Swan and FDA so guaranteeing the customer high productivity, quality, environmental acceptance and safety to both producer and end user.

Our customer partnership approach in paper chemicals has helped our clients with:
- increased cost savings
- improved process efficiency
- energy saving and environmental improvements

PETROFER’s product range for paper chemicals provides our customers with a complete portfolio for the whole range of paper production processes. Advantages that benefit you and your company.

STOCK PREP
SOFTLAYER is a portfolio of chemistry to improve softness and hand feel in the finished tissue and towel. There are products for all application techniques such as into the pulper, spraying on the felt or spraying during conversion. There are customised topical softeners available for specialist applications. PETROZYM products are used to enhance tensile strength in the finished sheet, and provide savings in refiner energy.

WET END
PETROFER also offers an extensive range of other process products for efficient production, reduced maintenance and improved quality of the paper production: from deaerators and defoamers such as ISOFOAM grades, to screen, machine and felt cleaners such as FEROCLEAN RFS. We also offer special microbicidal products such as FEROCLEAN CS for system preservation.

YANKEE DRYER
The innovative portfolios of COTAC and RELEASE AGENT chemistry support the requirements of technically advanced production, provide consistent process data, optimise paper quality and softness while protecting the Yankee cylinder and extending doctor blade life. There are also COTAC products to reduce Yankee edge wear and corrosion, while preventing fibre build up and subsequent reduction in runnability through sheet breaks.

CONVERTING
COTAC TAIL TIE GLUE, a product for sealing the loose tail to the roll eliminating wrinkles and jams further downstream and other product quality issues. SAWLUB PAP, a special log saw lubricant is applied to the log saw to reduce heat generated by the friction from cutting the rolls. Also ensures a cleaner cut while reducing resin and glue build up on the blade. COTAC G are special core glues used to adhere the core laminations providing superior strength and optimal shape of the cores prior to reel up in converting processes. EMBOLUB D is an embossing roll oil used to reduce odour and prevent the build-up of glue and fibres on the embossing and Dandy rolls. SOFTLAYER RANGE of products can be sprayed onto the tissue at the converting process to increase softness and hand feel of the tissue. COTAC PG is a ply bonding glue. It is quick drying to a transparent finish.

SPECIALITIES
DE-COTAC is an additive for breaking down bonders, glues and wet strength additives when pulping, reducing energy consumption, speeding up process time and improving fibre yield. It can be used in tissue and board applications. FEROCLEAN LIME is a lime inhibitor and descaler to remove water salts from fan pumps and water circuits. EQUIPMENT is available to support our extensive range of chemical products, with a customised range.
YOUR BENEFITS

REDUCTION OF TOTAL COST OF OWNERSHIP
- onsite trouble shooting
- know-how transfer
- economic and versatile products
- one supplier for all the process

HIGHER PROCESS EFFICIENCY AND RELIABILITY
- high specialisation and knowledge in crepe control, with a range of speciality chemicals for improved running, superior sheet quality and increased productivity
- optimised paper quality with flexibility across tissue grades
- softness realised for particularly soft tissue, meeting market and consumer demands
- superb protection of the Yankee cylinder surface and edges for reduced machine downtime and optimised production
- increase of doctor blade life so increasing finished product output and machine profitability
- reduced downtime and improved quality in converting processes

IMPROVEMENT OF THE ENVIRONMENTAL BALANCE
- products meet well respected paper chemical safety standards
- constant development using sustainable raw materials
- reduced chemical consumption through efficient chemistry
- safe chemistry residuals for the end consumer

APPLICATION EXPERTISE

INDUSTRIAL SECTORS USING OUR PRODUCTS
- paper/tissue/board production and conversion

APPLICATION EXAMPLES
PETROFER’s tissue paper production chemicals are used worldwide to provide consumers with soft, strong and safe disposable tissue and towel. Our chemistry improves and enhances the process of manufacture, through all the steps needed to take fibres and link them together making paper. Waste paper and cardboard is of varying quality and contains many glues and strength additives such that recycling is a long slow and expensive process, through using DE-COTAC chemistry many paper makers can successfully reprocess up to 10 times waste paper and cardboard, and produce useful new paper products and so save the environment.

HIGHLIGHT PROJECT
A leading global manufacturer of towel and tissue wanted to increase the strength of its products while reducing energy costs. This would mean they could market themselves with an improved product at a competitive price. The use of PETROFER’s enzyme technology, branded PETROZYM, enabled them to achieve their requirements such that the chemistry is adopted in all their mills.
PETROFER is a system supplier and offers perfectly coordinated chemistry along the entire production process route.

1. HEAT TREATMENT
2. DIE-CASTING AND FORGING
3. FIRE RESISTANT HYDRAULIC FLUIDS
4. METALWORKING FLUIDS
5. METAL FORMING LUBRICANTS
6. INDUSTRIAL LUBRICANTS
7. INDUSTRIAL CLEANERS
8. RUST PREVENTATIVES
9. PAPER CHEMICALS
10. SUPPORT

For further information please visit or contact through our website www.petrofer.com