



SOLUTIONS FOR THE
PULP & PAPER
INDUSTRY

We Make Your Quality Better



www.zizerpolymers.com

ABOUT US

Our organization is a leading Manufacture of Chemicals used in various industries mainly paper and ceramics etc. Established since 2013 with professional plants in India. We have a highly strong technical team. Our organization is supplying various kinds of chemicals for all small, medium and large companies in India.

OUR MISSION

We ease your process. We ensure to help our clients across various industrial sectors in optimizing their resources and process challenges to maximum business volume while maintaining fruitful business associations. We are committed to offer the best possible solutions and be the most favoured vendor to industry majors. We continue to focus on quality through effective use of raw materials, continuous research for innovation and maintaining stringent production standards through upgrading our technology and manufacturing systems. Zizer Polymers LLP focused technical support is based on localized product availability, customer base and plant capability. Zizer Polymers LLP support R&D in new product development as well as Quality Assurance (QA) in optimizing operations. Our strength lies in R&D and it has enabled them in the development of new products by determining appropriate methodology. They support manufacturing and help troubleshoot any plant or customer issues.

**We Use World Class Materials To
Deliver Quality Around The Globe.**



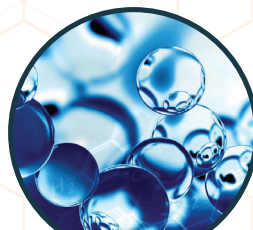
We proudly export our products to various countries. For the global market, we can supply a standard product with any demand. At Zizer Polymers LLP we have a professional support team to guide you for your export order. kindly visit us at www.zizerpolymers.com

OUR PRODUCT RANGE



PAPER COATING CHEMICALS

Lubricant
Dispersant
Ammonium Zirconium Carbonate (AZC)
Carboxymethyl Cellulose (CMC)



DEFOAMERS & ANTIFOAMING AGENT

Water Based
Oil Based
Silicon Based



INTERNAL SIZING

Fortified Rosin
Neutral Size Rosin
Cationic Rosin
AKD Emulsion



TISSUE CHEMICALS

Felt Cleaning
Tissue Softener
Wet Strength Resin
Tissue Release Aid



SURFACE SIZING

Anionic
Cationic



WATER TREATMENT CHEMICALS (ETP / KROFTA)

Flocculants
Coagulant



PAPER STRENGTH CHEMICALS

Dry Strength Resin
(Anionic/Cationic/Amphoteric)
Wet Strength Resin



ENZYMES

Deinking Enzymes
Starch Enzymes
Refining Enzymes

PAPER COATING CHEMICALS



What is a Coating ?

Coating is a mixture of Clay, pigments, binder, dispersing agents, rheology modifiers, coating hardeners, coating defoamers, polyvinyl alcohols, starches, lubricant, biocides, etc. We also offers acrylic binders, coating hardeners, cross linker, lubricant and dispersing agents.

Lubricant

Lubricant is a kind of calcium stearate emulsion, it can be applied in various kinds of coating system as lubricate wet coating to reduce the friction force originated from mutual moving of components. By using it can promote liquidity of coating, improve coating operation, increase the quality of coated paper, eliminate the fines removal arised when coated paper operated by supercalender, moreover, also reduce the disadvantages, such as chap or skin arised when coated paper folded.

Dispersant

The main component of the paper coating dispersing agent is sodium polyacrylate, which is a kind of highly effective dispersing agent. Have very obvious effects on dispersion of calcium carbonate, calcium hydroxide, talc, titanium dioxide, kaolin, clay and other pigments. This product has good heat resistance, mutual solubility, high efficiency and dispersion, dispersion of the slurry viscosity stability, less foam, non-toxic, no corrosion, no special smell, is a non dangerous goods.

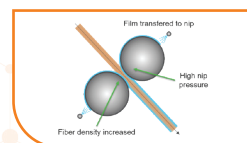
AZC

Ammonium Zirconium Carbonate (AZC) is a clear alkaline stabilized solution, containing anionic hydroxylated zirconium polymers. Ammonium Zirconium Carbonate (AZC) is totally formaldehyde free. The advantage of Ammonium Zirconium Carbonate (AZC) is that there is no need for elevated temperatures or extended cure time. Tests proven that the use of Ammonium Zirconium Carbonate (AZC) is improving printability, achieved by optimal water resistance, reduction of coating angle, uniform distribution of binders within the coating and open coating structure.

CMC

CMC is used for paper coating in paper making industry. It is useful for the dispersing and flowing of the pigments, enhancing the surface finish and smoothness of the printing quality. It is used for surface sizing to strengthen the paper and reduce the printing dusts. It can increase moisture and improve retention rate in pulping.

SIZING CHEMICALS



Internal Sizing Agents

Internal sizing agents are used in papermaking process at the wet end. The most important internal sizing chemicals are alkyl ketene dimer (AKD), rosin. The internal sizing agents should have some basic characteristics such as high hydrophobicity, good retention on fibers, uniform distribution throughout the fiber surfaces, and must strongly bonded with fibers. The internal sizing agents can also be classified into acidic type sizing chemical and basic or neutral type sizing chemical. Internal Sizing agents also decrease dusting, control spreads of inks, improve dewatering, retention of filler and fibers, improve paper quality, smoothness, dimension stability, abrasion, decrease porosity and improve paper machine runnability.

Surface Sizing Agents

Surface sizing agents have both hydrophilic and hydrophobic ends. It is forms a thin film on paper web, the hydrophilic tail of it joined with the fiber, whereas hydrophobic tail facing outwards. The thin film reduces paper dust; improve surface strength, printability and water resistance of the paper. There are different chemicals are used. We have many type of surface sizing agent such as starch base, Styrene Maleic Anhydride (SMA), Styrene Acrylic Emulsion (SAE), Ethylene Acrylic Acid (EAA). It is normally applied in a paper mill though the size press at dry end section.

PAPER STRENGTH CHEMICALS

WSR & DSR

We offer a broad selection of wet strength additives and dry strength additives that enhance the end-use performance of tissue and towel, graphic and specialty papers, and packaging paper and board. Our portfolio of Wet-strength resin ensures that paper retains its strength when it gets wet. This is especially important in tissue paper. Chemicals typically used for this purpose include epichlorohydrin, melamine, urea formaldehyde and polyimines. These substances polymerize in the paper and result in the construction of a strengthening network.

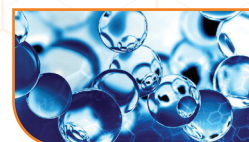
Our portfolio of dry strength resin comes in premium quality that improves paper strength under normal conditions. They are mainly available in three forms that are anionic, cationic, and amphoteric. However, the main aim of dry strength resin is to surge the strength per unit between fibers in any paper. Indeed, it also helps in achieving strength goals while maintaining higher dewatering rates and lower density of paper. These improve the paper's compression strength, bursting strength, tensile breaking strength, and delamination resistance. Dry Strength Resin can be used in all kinds of writing & printing, duplex board, Kraft paper.



DEFOAMERS & ANTIFOAMING AGENT

Defoamers are foam control agents which are added to a system to reduce or eliminate foam after it has been formed. Antifoaming agents are foam control agents which are added to a system or formulation to prevent the appearance or emergence of foam.

Our portfolio of foam control agents and antifoam agents includes oil-based defoamers, silicone-based defoamers, surfactant-based concentrate defoamers, and water-based defoamers as well as a variety of specialty formulations. And, our portfolio comes backed by a dedicated team of applications experts and state-of-the-art monitoring and control solutions to provide complete system control.



WATER TREATMENT CHEMICALS

We offer a range of coagulants and flocculants for use in the paper machine systems and their wastewater treatment plants. We also supply chemicals for the operation of etp, krofta etc. To efficiently produce a quality sheet of paper, a papermaker must precisely balance retention, drainage and formation. This product is specially suitable for solid, liquid separation and for dewatering operation, this product can be used both for water clarification and Sludge Dewatering. To help papermakers achieve and maintain this critical balance, we provide one of the broadest offerings of retention aids and drainage aids in the industry, including proprietary microparticles, uniquely formulated polymers and advanced charge control agents.



TISSUE CHEMICALS


Tissue paper is soft, feathery, lightweight, highly absorbent, tear resistant, disposable and relatively strong paper products. The tissue paper name originates from the French word "tissue", which means cloth. Because of the tissue paper is as soft as cloth. It has become an important part in our daily life. Uses of this type of paper are increasing rapidly worldwide.

Our portfolio of tissue making additives includes a variety of products, many of which are unique in chemical composition and mode of action. We provide a spectrum of strength aids and technical support to develop your tissue products portfolio. We work closely with you to create a tailor-made strength package for your specific grade and machine. This includes wet - and dry-strength additives and functional promoters that give the sheet the right properties, without unwanted side effects.





GET IN TOUCH

 Call us : +91 98257 64345
+91 97239 32205

 sales@zizerpolymers.com
zizerpolymers@gmail.com

 www.zizerpolymers.com



HEAD OFFICE : Survey No. 93 P/3, B/H Millennium
Vitrified, Bhadiyad, Morbi - 363642, Gujarat, India

This brochure presents only some of our products and we reserve the right to amend any product details without notice.