



BASECHEM

**A COMPLETE SOLUTION FOR
BETTER DRINKING WATER,
ENVIRONMENTAL FRIENDLY
AND QUALITY PAPER...**



BASEPAC

INNOVATIVE CHEMICALS

BASECHEM LLP was founded in 2017. BASECHEM LLP is building a brand new Chemical Production Plant in Aktau free zone. The factory production capacity is over 20,000 tons per year. Production is focused on the domestic market and for export.

BASECHEM LLP started research and development in a R&D center in Almaty with the goal of knowledge-based production of chemicals such as BASEPAC to cover a full range of necessities used in various industries such as industrial water and wastewater treatment, municipal water and sewage systems in oil and gas, petrochemicals, automotive, mineral processing, steel manufacturing, pulp and paper, and household products.

We are proud to offer innovative essentials among our products. Also producing a wide variety of scientifically formulated chemicals by means of advanced facilities. Regarding to professional staff and experienced engineers, BASECHEM LLP provides technical consultation and customer service.



SERVICING MULTIPLE NEEDS

BASEPAC is a powerful inorganic polymer coagulant widely applied in drinking water treatment, wastewater treatment, pulp & paper production, pharmaceutical & cosmetics industry.

The main components are $Al_{13}O_4(OH)_{24}(H_2O)_{24}(H_2O)_{12/7+}$ ions with the Keggin structure of high positive charges and poly-cyclic formation. Beside powerful abilities of negative charge neutralization and bridging between colloids and particles, they can absorb trace heavy metals and toxic organics to get complete purified water quality.

GRADES OF BASEPAC

- BASEPAC-6305: Milky powder, spray dried type, for drinking water treatment & paper production & pharmaceutical and cosmetics industries.
- BASEPAC-6306: Yellow powder, spray dried type, for drinking water treatment or wastewater treatment.
- BASEPAC-6301: Pale Yellow liquid, for drinking water treatment & paper production & pharmaceutical and cosmetics industries
- BASEPAC-6302: Yellow liquid, for drinking water treatment or waste water treatment

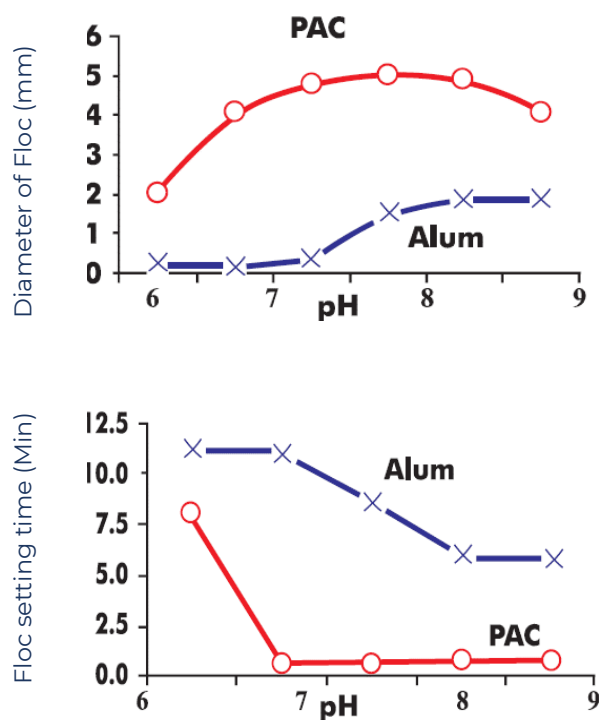


SPECIFICATION OF BASEPAC

ITEMS	BASEPAC-6305	BASEPAC-6306	BASEPAC-6301	BASEPAC-6302
Appearance	Milky powder	Yellow powder	Pale Yellow Liquid	Yellow Liquid
Aluminum oxide (Al ₂ O ₃) wt%	30±1	30±1	18±1	10±1
Basicity %	40-60	65-85	40-50	40-85
Water insoluble content %≤	0.5	0.5	N/A	N/A
pH value (10 g/l solution)	3.5-5	3.5-5	3.5-5	3.5-5
Bulk Density / Sp.Gr. at 20°C	/	/	1.37±0.03	1.2±0.03
Mercury (Hg) wt ppm≤	0.3	0.3	0.3	/
Lead (Pb) wt ppm≤	15	15	15	/

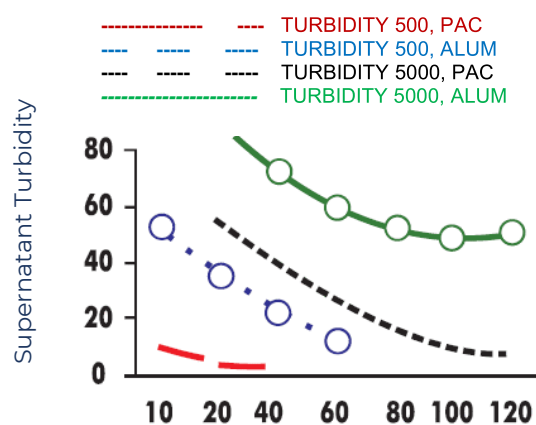
ENHANCING CUSTOMER DELIGHT

ADVANTAGES OF BASEPAC WATER TREATMENT



- Coagulates very effectively in low as well as high turbidity water.
- Enormous saving in consumption of treatment chemicals & labour cost.
- Rapid & better floc formation as compared to Alum.
- Removal of micro pollutants, Fe, Mn, Humics, Algae and P, N.
- Dilute to 3-5% of Al₂O₃ to use.
- Much lower dosage needed than traditional coagulants.
- Higher purification degree than common reagents.
- Wider suitable pH value range.
- Strong adsorption of micro- pollutants.
- Less reduction of alkalinity.
- Lower sludge volume.

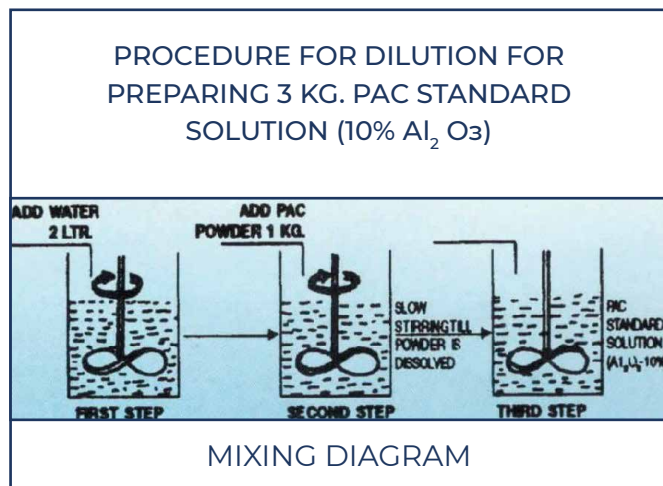
PAPER INDUSTRY



- Improves paper brightness & strength.
- Enormous saving in chemicals, power consumption and labour cost.
- Less colour reversion in paper sheet
- Sulphate free environment.
- Less deposits on machine.
- Significant reduction in scaling&biological slime.
- Reduces brittleness of paper sheet.
- Optimum utilization of alkaline fillers.
- Improves productivity.

SPECIFIC INFORMATION

SOLUTION PREPARATION



PACKAGE AND STORAGE

- The solid product is packaged in 25 kg polypropylene woven bag with inner plastic bag.
- Shelf life is two years for solid product.
- Should be stored in a covered & dry place.



APPLICATION METHODS

- The liquid product can be dosed directly or dosed after dilution. As for the solid product, dilution is necessary before being dosed. Water amount for dilution shall be determined based on the amount of the chemical to be dosed and the quality of water to be treated. Dilution proportion for solid product is 2%-20%, and for liquid product, 5%-50% (based on weight percentage).
- Standard solution of Al_2O_3 content of 10% is prepared by mixing in 1:2 ratio (one part powder & two part water)
- Standard solution of Al_2O_3 content of 15% is prepared by mixing in 1:1 ratio (one part powder & one part water)
- The dosage of the solid product is 1-15 g/MT water, The specific dosage is based on jar test.



SERVICING MULTIPLE NEEDS

BASECHEM is committed to provide total customer satisfaction in BASEPAC. Customer Support in Applications by most experienced Technical Team, is available at short notice.

Complete technical services are provided to achieve economical, eco-friendly and integrated solution with total responsiveness.

Additional technical safety data sheet and general information sent immediately on request.





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BASECHEM



BASEPAC

QUALITY RECKONED GLOBAL