



## AKD High Polymer Emulsifier

**Product name:**AKD High Polymer Emulsifier

### Product introduction:

AKD high polymer emulsifier (instead of traditional cationic starch based) is a kind of cationic polymer product developed by our technical department, which is the initiative developed product in the market. It can not only emulsify AKD wax, but also protect the AKD colloid dispersion and aid retention, it also can increase AKD sizing efficiency (2%-8%). It can get the high stability and better fixing effect AKD emulsion by mechanical stirring, in the meantime it greatly decreases AKD hydrolysis during storage and sizing process. Final AKD Emulsion shelf time is about 6 months which is longer than starch emulsified AKD emulsion. The final AKD Emulsion also has a quicker curing effect.

### Specification and Index:

Item	Specification
Appearance	light yellow viscosity liquid
Solid content	40%min
Viscosity, mPa.s, 25°C	5000-10000 mPa.s
pH value	4-5
shelf life	12 months

### Application:

This Emulsifier greatly restricts the AKD hydrolysis and the migration aptitude. It can replace the starch based emulsifier and AKD curing agent, at the same time decrease the AKD WAX using quantity. The final AKD Emulsion by this high polymer emulsifier can realize 80% sizing effect after paper machine, and almost totally realize after rewinding, which can let the paper immediately get the good water resistance effect, so less surface sizing agent in size press can fulfill all the sizing requirement. For detail using method, please contact Greatland Chemicals Co., Ltd.

### Package and storage:

It should be stored in the warehouse with dry and cool condition protected from frozen and sunlight directly. The temperature should be below 30°C.

Packing with 200kg, 1000kg/drum.