Product description :

Sodium carboxymethyl cellulose (CMC) is a highly efficient papermaking auxiliary which can be used in various processes such as pigment coating, in-pulp addition and surface sizing, with good water retention, dispersion and excellent shear thinning properties. The main role in the paper industry :

Advantages and application :

1. Pigment coating

Controlling and regulating the rheology and pigment dispersion of paints and improving the solid content of paints.

Pseudoplasticity of coatings to increase the application speed of coatings.

Increase the water retention of coatings and prevent the migration of water-soluble adhesives.

Good film-forming properties and improved coating gloss.

Improve retention of whitening agents in paints and improved whiteness of paper.

Improve the lubricating properties of the paint, improves the quality of the coating and extends the life of the scraper.

2. In-pulp addition

Improve refining efficiency, promoting fibre refinement and shortening beating times.

Regulate the potential in the stock, evenly disperses the fibres, improves the "copy performance" of the paper machine and further improves sheet formation.

Improve retention of various additives, fillers and fine fibres.

Increase the bond between fibres and improve the physical properties of the paper.

Use in conjunction with dry and wet strength agents to improve the dry and wet strength of the finished paper.

Protect in-pulp sizing agents such as rosin and AKD and enhances the sizing effect.

3. Surface sizing

Good rheological and film-forming properties.

Reduce porosity and improve oil resistance of the paper.

Increase the brightness and glossiness of the paper.

Increas the stiffness, smoothness and controlled curl of the paper.

Improve the surface strength and abrasion resistance of the paper, reduce lint and powder loss and improve print quality.