

# FiberStar<sup>®</sup> CX+

FiberStar<sup>®</sup> CX+ is a cold-water soluble, low viscosity, non-ionic polymer for use in industrial applications. FiberStar CX+ is a natural polysaccharide designed to impart enhanced functional properties including: adhesion/binding, water retention, improved rheology and viscosity. FiberStar CX+ is an excellent product for binding and adhesive applications where economics is important.

FiberStar CX+ is a cost-effective corn-based product with excellent binding and adhesion properties.

## Application Properties

- Lubrication
- Adhesion
- Thickening
- Suspension
- Colloid Protection
- Film Formation
- Binding
- Water Retention

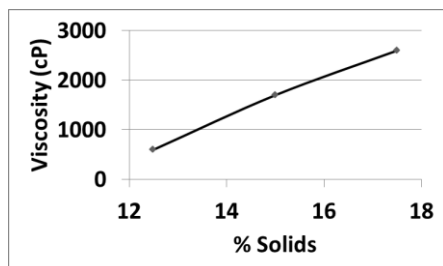
## Appearance

FiberStar CX+ is a free-flowing powder. FiberStar CX+ is off-white in color with opaque to translucent aqueous solutions.

## Hydration

FiberStar CX+ hydrates quickly due to its powder form.

## Effect of Solids Concentration on Viscosity



## Solution Preparation

The powder form of FiberStar CX+ is readily solubilized in water. To avoid lumping of polymer, preparation of aqueous solutions requires the addition of FiberStar CX+ to the vortex of mechanically agitated water. Maintain for a period of about 20 minutes to ensure separation and complete hydration of individual particles. Any agglomerates that initially form will break down with normal agitation and time.

## Solution Preservation

Extended storage of FiberStar CX+ solutions could result in viscosity reduction due to microbial or enzymatic attack. Stored solutions should be protected by using a preservative. FiberStar CX+ can be manufactured with a built-in preservative.

## Storage, Handling and Safety

Because of the hygroscopic nature of FiberStar CX+, it is highly recommended that the material be stored in its original package in a dry facility. Shelf life can be affected by storage conditions such as temperature, humidity and overall surroundings of the storage area. A Safety Data Sheet is available and should be consulted prior to handling or use.

## Availability

FiberStar CX+ is available in 50 lb multi-wall poly-lined paper bags for truckload and LTL shipments. For additional information, samples or technical assistance in using FiberStar CX+ please contact 1-800-328-5037 or [info@chemstar.com](mailto:info@chemstar.com)



## Typical Analysis

FiberStar CX+	
Base Starch	Waxy Corn
Form	Powder
Viscosity (cP), 12.5% Solids LVT, 60 RPM, #4 Spindle	500 – 1500
pH (12.5% Solids)	5.0 – 10.0
Moisture (%)	12 Max
Density (lb/ft <sup>3</sup> )	20 – 35
Particle Size (% thru)	99 (-) 850 micron
Appearance	Off White
Ionic Character	Nonionic

Disclaimer: The information contained in this bulletin is correct to the best of Chemstar's knowledge and is intended only as a source of information. The recommendations or suggestions herein are made without guarantee or representation as to the results. In addition, Chemstar suggests that you evaluate the recommendations contained in this bulletin in your own laboratory prior to use. Chemstar's responsibility for claims arising from breach of warranty, negligence or otherwise is limited to the purchase price of the material. No statement in this bulletin is to be construed as violating any copyright or patent.

