Fushixin®

FSX Chemical

Pure Cellulose, Powerful Solutions.

# PRODUCT CATALOG

## Textile Printing Thickeners & Digital Printing Solutions

Sodium Alginate • CMS • CMC • Digital Printing Paste


**Foshan Fushixin Polymer Fiber Co., Ltd**

Direct manufacturer of sodium alginate, CMS, CMC and digital printing auxiliaries for textile printing and dyeing applications.

01

# Company Overview

Integrated manufacturing, quality control and export documentation support for textile printing auxiliaries.

Production Workshop

Warehouse & Inventory

## Who we are

FSX Chemical is the international export brand of Foshan Fushixin Polymer Fiber Co., Ltd, a direct manufacturer in China.

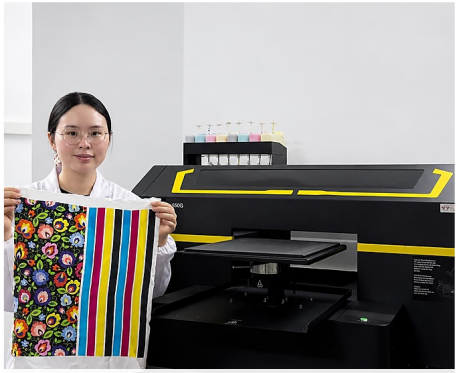
## What we supply

Sodium alginate, carboxymethyl starch (CMS), carboxymethyl cellulose (CMC), digital printing paste and pretreatment auxiliaries.

## Who we serve

Printing mills, dyeing factories, distributors, textile brands and overseas trading partners.

QC Laboratory



Digital Printing

Screen Testing

## Factory strengths

In-house production, application testing and export documentation support.

## Customer support

Samples, TDS / COA support, packaging confirmation and responsive follow-up.

## Product focus

Stable thickeners for reactive, disperse, pigment and special textile printing processes.

## Business value

Practical solutions, consistent quality and long-term cooperation.

02

# Product Portfolio & Selection Guide

A quick overview of our major product groups and their typical application scenarios.


### Sodium Alginate

Natural seaweed-based thickener for reactive textile printing.


### CMS Series

Cost-effective thickeners for reactive, disperse and discharge applications.


### CMC Series

Cellulose-based thickeners suitable for reactive printing and blended systems.


### Digital Printing

Thickeners and auxiliary products for digital textile printing.

| Printing application | Recommended product series |
|---|---|
| Reactive printing on cotton, viscose and modal | Sodium Alginate HV / MV / LV; Fushixin PrintCN-R; Fushixin Print MD |
| Disperse printing on polyester | Fushixin Print FS-05 |
| Reactive digital textile printing | Fushixin Ink DP-R |
| Disperse digital textile printing | Fushixin Ink DP-D |
| Pigment digital textile printing | Fushixin Ink DP-P |
| Vat discharge / alkali burn-out printing | Fushixin Print H5 |
| Blended thickener systems | Fushixin Print MD / LD; Fushixin PrintCN-R |

**Technical note:** Typical values only. Viscosity may vary according to concentration, temperature, hydration time and testing method.

03

# Natural Alginate Series

Seaweed-derived thickener for reactive textile printing with stable viscosity and clean wash-off.

## Sodium Alginate

FSX Chemical sodium alginate is a natural seaweed-derived thickener developed for reactive textile printing. It supports smooth paste preparation, stable viscosity, reliable color yield and easy wash-off after steaming.


**Product sample & application image**

## KEY ADVANTAGES

- Natural alginate solution for reactive printing
- Bright color yield and clean wash-off
- Smooth paste body and good screen penetration
- Suitable for cotton, viscose, silk and cellulosic blends
- Stable viscosity with reliable print consistency

## SPECIFICATIONS

| Model | Appearance | Reference Viscosity | pH (1%) | Recommended Use |
|---|---|---|---|---|
| Fushixin Print HV | Light brownish powder | 20,000-30,000 mPa·s (3%, 20 °C) | 7-8 | High-body paste and lower dosage |
| Fushixin Print MV | Light brownish powder | 20,000-30,000 mPa·s (5%, 20 °C) | 7-8 | General-purpose reactive printing |
| Fushixin Print LV | Light brownish powder | 20,000-30,000 mPa·s (8%, 20 °C) | 7-8 | High-speed rotary printing |

### Applications

Reactive printing on cotton, viscose, silk and cellulosic fabrics.

### Packing

Standard 25 kg bag. Customized labels available on request.

### Storage

Keep sealed in a cool, dry place and avoid moisture after opening.

Technical note: Typical values only. Final selection should be confirmed by laboratory testing.

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# CMS Series (Carboxymethyl Starch)

Practical modified-starch thickeners for reactive, disperse and special textile printing.

## CMS Printing Thickeners

The CMS series is developed for customers seeking a practical balance between print performance and formulation cost. It supports good print definition, stable paste body and smooth processing across common textile printing systems.


**Product sample & application image**

## KEY ADVANTAGES

- Good thickening efficiency for textile printing
- Suitable for reactive, disperse and discharge printing
- Stable paste body and print definition
- Flexible product choices for different processes
- Cost-effective alternative in selected systems

## SPECIFICATIONS

| Model | Appearance | Reference Viscosity | pH (1%) | Recommended Use |
|---|---|---|---|---|
| Fushixin PrintCN-R | White powder | 70,000-90,000 mPa·s (5%, 25 °C) | 7-8 | Reactive printing on cotton and viscose |
| Fushixin Print FS-05 | White powder | 30,000-45,000 mPa·s (5%, 25 °C) | 7-8 | Disperse printing on polyester |
| Fushixin Print H5 | White flake or cream-colored powder | 30,000-40,000 mPa·s (8%, 25 °C) | 10-12 | Vat discharge / alkali burn-out printing |

### Applications

Reactive, disperse, vat discharge and alkali burn-out printing.

### Packing

Standard 25 kg bag. Pallet packing available upon request.

### Storage

Keep sealed in a dry, ventilated place. Avoid moisture.

Technical note: Typical values only. Final selection should be confirmed by laboratory testing.

05

# CMC Series (Carboxymethyl Cellulose)

Cellulose-based thickeners for reactive printing and blended thickener systems.

## CMC Printing Thickeners

Our CMC series is designed for customers who require a cellulose-based thickener with practical formulation compatibility, stable paste structure and dependable processing performance in blended systems.


**Product sample & application image**

## KEY ADVANTAGES

- Good compatibility in blended thickener systems
- Suitable for cotton and viscose printing
- Supports flexible rheology adjustment
- Practical for reactive and disperse formulations
- Stable batch consistency for processing

## SPECIFICATIONS

| Model | Appearance | Reference Viscosity | DS | pH (1%) | Recommended Use |
|---|---|---|---|---|---|
| Fushixin Print HD | White to light brownish powder | 800-1,800 mPa·s (1%, 20 °C) | 1.9-2.0 | 7-9 | Higher-performance reactive printing |
| Fushixin Print MD | White to light brownish powder | 800-1,800 mPa·s (1%, 20 °C) | 1.5-1.6 | 7-9 | General reactive printing and blending |
| Fushixin Print LD | White to light brownish powder | 1,500-3,000 mPa·s (1%, 20 °C) | 1.3-1.4 | 7-9 | Reactive & disperse printing; compatible with PTA and alginate systems |

### Applications

Reactive printing, blended thickener systems and formulation adjustment.

### Packing

Standard 25 kg bag. Export labels and pallets on request.

### Storage

Store sealed in a cool, dry place away from moisture.

Technical note: Typical values only. Final selection should be confirmed by laboratory testing.

06

# Digital Printing Solutions

Digital printing thickeners, paste additives and pretreatment solutions for textile printing.

## Digital Printing Series

Our digital printing solutions cover thickener, paste additive and pretreatment products for reactive, disperse and pigment digital textile printing. They support color yield, print sharpness and more dependable printing consistency.


**Product sample & application image**

## KEY ADVANTAGES

- Helps improve color yield and print sharpness
- Helps reduce ink migration and bleeding
- DP-R: broad fibre compatibility - cotton, viscose, Tencel, modal, silk and wool
- DP-P: helps improve rubbing fastness (dry: Grade 4, wet: Grade 3, ISO 105-X12 ref.)
- Powder and liquid forms available for reactive, disperse and pigment systems

## SPECIFICATIONS

| Product | Appearance | Key Parameter | pH / Dosage | Recommended Use |
|---|---|---|---|---|
| Fushixin Ink DP-R | White to beige powder | Viscosity: 2,400-2,800 mPa·s (2.5-3%, 25 °C) | pH (1%): 7-9 | Reactive digital textile printing |
| Fushixin Ink DP-D | Yellowish viscous liquid | Recommended dosage: 40-80 g/L | pH (1%): 4-6 | Disperse digital printing on polyester |
| Fushixin Ink DP-P | Yellowish viscous liquid | Recommended dosage: 40-80 g/L | pH (1%): 4-6 | Pigment digital textile printing |

### Applications

Cotton, viscose, Tencel, Modal, silk and wool (DP-R); polyester and nylon (DP-D); pigment digital printing on various fiber types (DP-P).

### Packing

Powder or liquid packing according to product type and order details.

### Storage

Keep sealed and avoid contamination. Store in a cool, dry place.

Technical note: Typical values only. Final selection should be confirmed by laboratory testing.

07

# Quality Control, Packaging & Contact

Quality inspection, export packaging support and direct communication for international business.

Quality Control Testing

## Quality control

- Incoming raw material inspection
- Appearance and moisture checking
- Viscosity and pH testing
- Routine application evaluation
- Batch consistency verification

Routine testing helps keep export batches stable and traceable.

Laboratory Evaluation

## Laboratory evaluation

Application testing supports product selection, paste adjustment and sample confirmation before shipment. We can provide TDS, SDS/MSDS, COA and sample-list support for export orders.


Application & Product Presentation

## Contact us

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## Packaging & Export

| | |
|---|---|
| Solid packing | 25 kg net per bag; pallet on request |
| Liquid packing | 25 kg drum / 200 kg IBC (DP-D / DP-P) |
| MOQ | 100 kg per product |
| Shelf life | 12 months from production date |
| Documents | TDS, SDS/MSDS, COA, sample list |
| Trade terms | EXW, FOB, CIF, DDP and other trade terms supported |
| Samples | Available for laboratory evaluation |
| Storage | Sealed, cool and dry; avoid humidity/sunlight |

For samples or quotation, share fabric type, printing process and target performance.