



We are committed to high-quality cellulose  
ether production and  
research and development

Source factory cellulose ether industry leader

## HEBEI KAIMAOXING IMPORT AND EXPORT CO.,LTD

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HEBEI KAIMAOXING  
IMPORT AND EXPORT CO.,LTD

Evolution driven by people



► **Hebei Kaomaoxing Import&Export Co.,Ltd**



► **Catalogue About Us**

- hydroxypropyl methyl cellulose (HPMC)
- redispersible powder (RDP)
- hydroxyethyl methyl cellulose (MHEC)
- hydroxyethyl cellulose (HEC)
- hydroxypropyl starch (HPS)
- polypropylene fiber (PP fiber)
- polyvinyl alcohol (PVA)
- polycarboxylic acid water reducer(PCE)
- gypsum retarder

► **Company Culture**

company's vision: to build China's largest cellulose brand  
 company values: Responsibility, innovation, excellence  
 company's mission: to help customers gain competitiveness  
 company's service concept: service first, create value for customers

► **About Company:**

Hebei Kaimaoxing Import&Export Co., Ltd, Focus On Production For More Than 20 Years, It Is Located In Mayu Chemical Industry Park, Economic Development Zone, Jinzhou City, Hebei Province, Covering An Area Of 105 Mu, With A Total Investment Of 350 Million Yuan And An Annual Output Of 35,000 Tons. After More Than 20 Years Of Rapid Development, The Company Has Become One Of The Well-Known Domestic Industrial-Grade Cellulose Ether Manufacturers Integrating Research And Development, Production, Sales And Export, And Has Introduced 12 Integrated Horizontal Reactors, Built Dcs Control Center, And The Entire Production System Is All Controlled By The Control Center. The Automatic Control Of The Whole Process Of Feeding, Measurement, Temperature And Pressure In The Production Process Greatly Improves The Production Efficiency, And Ensures The Stability Of Product Quality And The Safety Of Workers. The Company Deeply Practices The Concept Of Green Development, And Has Built An Advanced Environmental Protection Management System For Mvr Sewage Treatment, Which Realizes The Discharge Of Wastewater Up To The Standard, And Truly Plays The Role Of Clean, Environmental Protection And Energy Saving. Products are HPMC、Rdp、Mhec、Hec、Hps、Pp Fiber、Pva、Gr And So On. They Widely Use In Construction Gypsum Grade Masonry Mortar, Plastering Mortar, Cement-Based Mortar, Self-Leveling Material, Tile Binder, Putty Powder, Paint, Daily Chemical And Other Fields. And In The Domestic And Europe, Africa, South America, Southeast Asia And Other Dozens Of Countries And Regions Have Won Unanimous Praise.

CATALOGUE





## ► Main Product

HPMC is made from refined cotton, a natural material, through a series of chemical processes. It has the properties of thickening, suspending, bonding, emulsifying, film-forming, dispersing and water retention, etc.

PACKAGE: 25KGS/BAG

STORAGE: Store in a cool and dry place. It is recommended to use within 24 months. Seal after each use. Don't expose to sunlight, rain or moisture. Don't come into contact with acids or alkalis.

NOTICE: After opening, the unused products must be sealed to prevent them from getting damp due to contact with air.



## ► Analysis Datas:

Name	Result
Appearance	White Or Light Yellow
Viscosity ( Ndj-1 2.5%20℃\Mpa.s )	40000-200000
Ph	7
Moisture	≤6
Ash	≤5
Water Retention Rate	95
Gel Temperature	65-75
Transmittance	≥82

## Viscosity specification

Viscosity by Brookfield	Viscosity by NDJ-1
40-60	40-60
350-550	350-550
650-1000	650-1000
1200-1800	1200-1800
2000-3000	2000-3000
3200-4800	3200-4800
6400-9600	6400-9600
10000-15000	12000-18000
24000-32000	30000-50000
32000-40000	50000-90000
38000-45000	80000-120000
45000-67000	120000-180000
≥67000	≥180000

Note: The viscosity of a 2% aqueous solution at 20 °C.

### USE FIELDS:

Interior and exterior wall putty, tile adhesive, dry powder paint, interior and exterior wall putty, plastering mortar, exterior wall insulation putty, plastering gypsum, daily chemical products, etc.

### application fields

Putty  
Interior  
wall putty  
Exterior  
wall putty



Gypsum  
application  
Plaster on the  
bottom and  
plaster on the  
top  
Thermal  
insulation  
plaster



Household  
detergent  
abluent  
Cleaning  
supplies



Keep warm  
Vitrified microbead fire  
insulation mortar  
composite silicate  
insulation mortar perlite  
insulation mortar  
Rubber powder  
polystyrene particles



Self-leveling mortar  
Cushion self-leveling mortar  
High strength gypsum  
self-leveling mortar  
Construction gypsum  
self-leveling mortar  
anhydrite self-leveling  
mortar



Water-based  
coating  
Stone paint  
Latex paint



Ordinary mortar  
Masonry mortar  
Plaster mortar-



Ceramic tile adhesive  
Common tile adhesive  
polymer tile adhesive  
Heavy tile type  
tile adhesive



Ceramic  
product  
Honeycomb  
ceramic catalyst  
carrier ceramic  
mold



### ◆ Redispersible Polymer Powder (Rdp)

RDP is a redispersible emulsion powder based on vinyl acetate and vinyl polymers, which is flexible, rigid and semi-flexible. It is a water-soluble white powder or beige powder.

Product Feature:

Excellent bonding ability and excellent water resistance.

It can increase the elasticity of mortar, improve the adhesion of mortar, bending strength, wear resistance, etc.

USE FIELDS:

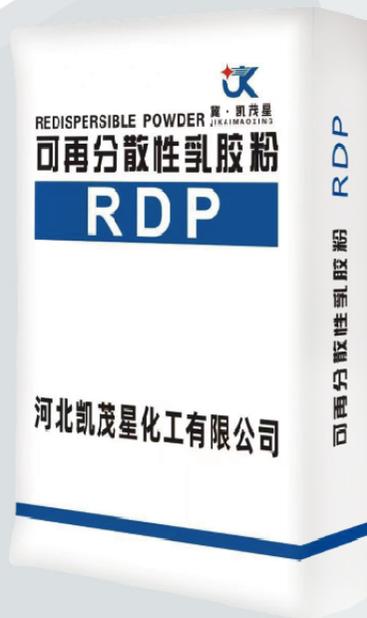
Internal and external wall putty powder, tile glue, tile caulking agent, external wall insulation mortar, self-leveling mortar, repair mortar, decorative mortar, waterproof mortar and other mortar.

### ◆ Technical Datas:

Appearance	White or slightly yellow powder, no lumps
ph value	5.0~9.0
Bulk density, g/L	300~600
Non volatile matter content, %	≥98.0
Burning residue, %	≤13
Average particle size D50, μm	≤100
Tensile strength, MPa	≥6.0
Fracture elongation, %	≥200

Package: 25 kgs/bag

Storage: It should be stored in a dry and clean environment, away from heat sources, fire sources. It is recommended to use within 6 months, and should be sealed after opening. After opening, the unused product must be sealed to avoid contact with air and moisture.



### ◆ Methyl Hydroxyethyl Cellulose (Mhec)

Made by chemical modification, soluble in hot and cold water, the form of white powder.

Functions: water retention, film formation, hot gel property.

USE FIELD: construction, paint, cement mortar, gypsum products.

Storage conditions: Because MHEC has moisture absorption, it should be stored in a cool and dry place.



### ◆ Technical Datas:

Test Items	Specifications
Appearance	White or light yellow powder
Viscosity (2% 25°C) m Pa.s	50~200000
Gel temperature: °C	≥80~85°C
Solution transmittance	≥83%
Moisture %	≤5.0
Ash %	≤5.0
Proportion (g/L)	300~350
PH value(1% solution, 25°C)	6.0~8.0
(Particle size) 80 mesh pass ≤	99%



## ◇ Hydroxyethyl Cellulose

HEC is a non-ionic water-soluble polymer made from cellulose by chemical modification. The main raw material is natural cellulose, usually derived from cotton and wood, soluble in hot and cold water, and its characteristics are thickening, water retention, stability, film formation, suspension, adhesion, floating.

USE FIELD: Construction coating, daily chemical, petroleum, real stone paint, latex paint, water-coated stone, water-coated sand, paint, cement mortar, shampoo, body wash, skin care products, textile printing and dyeing, paper industry, etc.

### ◇ Performance Index

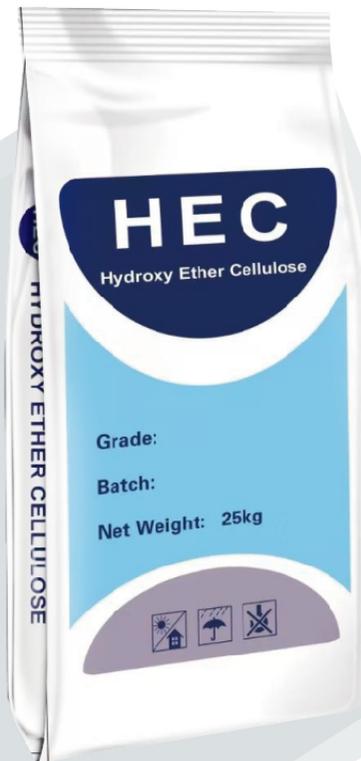
Item	Specification
Appearance	( White Powder)
Viscosity(2%, 25°C)mPa.s	30000~80000
Moisture	0~5.5
Ash	0~6.5
pH	6.0~8.5
Molar Substitution Degree	2.6~2.8

### ◇ Comparison Table Of Brookfield Viscosity And Ndj

Model	Brookfield Viscosity	NDJ Viscosity
HEC30000	2050	32750
HEC50000	2970	58100
HEC100000	4420	82600

PACKAGE : 25 KGS/BAG

STORAGE: It should be stored in a dry and clean environment, and the unused product must be sealed after sealing to avoid air and moisture.



## ◇ Hydroxypropyl Starch (Hps)

It can give cement and gypsum based products unique performance, thickening effect, improve fluidity, extend opening time, anti-flow hanging, anti-slip, improve constructability, reduce the cost of mortar formulation.

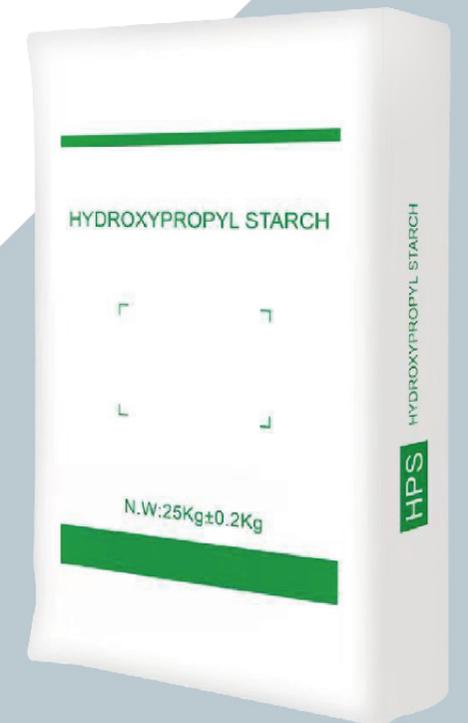
### ◇ Use Directions:

Product	Use weight	Main Function
plaster	0.2~0.5Kg	Anti-current hanging, auxiliary water retention, preventstratification
Putty Powder	0.5~1.5Kg	Thickening and Lubricity
Tile Glue	0.5~2Kg	Cohesiveness, openness, resistance to current hanging
mortar	0.5~1Kg	Rheology, constructability

PACKAGE:25KGS/BAG

Storage:

It s hould be stored in a dry and clean environment, away from heat sources, fire sources. Products that are not used up after opening must be kept sealed.



### ► Polypropylene Fiber (Pp Fiber)

PP fiber is a kind of high strength bundle monofilament fiber spun from polypropylene as raw material, also known as crack resistant fiber, is a thermoplastic polymer.

Product Features:

Improve the crack resistance and impermeability, reduce the shrinkage rate of mortar, improve the compressive and folding strength, wear resistance, corrosion resistance, anti-aging.

#### ► Technical Datas:

Density (g/cm <sup>3</sup> )	0.91
Melting point (°C)	160-170
Tensile strength (MPa)	≥550
Elastic modulus (Gpa)	≥5.2
Ultimate elongation (%)	≥20
Length (mm)	12 ± 1
Monofilament diameter (μ m)	30
Acid and alkalinity resistance (%)	≥95%
Sectional shape (kidney shaped or circular)	Rotundity

#### ► Use Field:

plaster, putty powder, tile glue, fire resistance engineering, cement mortar, insulation mortar, crack mortar, rigid concrete structure.

PACAKGE:

20 KGS/BAG, EACH BAG HAS 20 UNIT POCKETS.

STORAGE:

It should be stored in a ventilated, cool and dry environment, protected from sun and rain.



### ► Polyvinyl Alcohol (Pva)

The appearance of white powder, is a very widely used water-soluble polymer, performance between plastic and rubber, its use can be divided into fiber and non-fiber two major uses. The appearance is white flake, flocculent or powdery solid odorless.

USE FIELD: cement mortar, adhesive, water-based coating, textile industry, pharmaceutical field, ceramic industry, etc.

PVA functions in the mortar:

1. thickening
2. improve bond strength
3. improve physical property
4. improve flexibility and water retention of mortar
5. reduce the friction of mortar

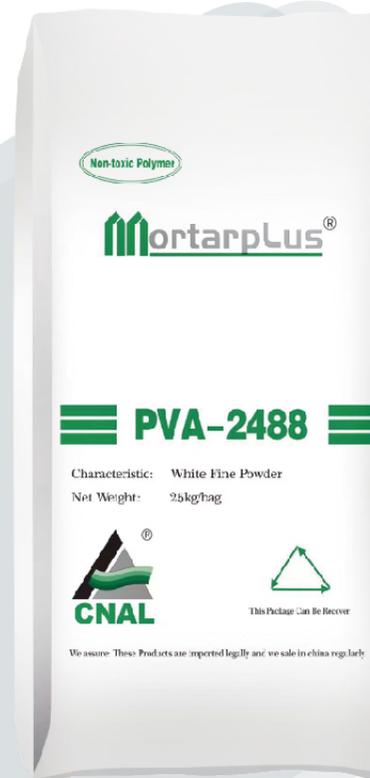
#### ► Technical Datas:

Item	Unit	Excellent grade
Hydrolysis	%(mol/mol)	87.0-89.0
Viscosity	mPa.s	46.0-56.0
Volatile	%	≤5.0
Punty	%	≥93.5
PH	/	5-7
Boreadth depth	mesh	≥160

PACKAGE:25 KGS/BAG

STORAGE:

It should be stored in a dry, ventilated and cool environment, avoid direct sunlight, the product has hygroscopic, the relative humidity of the storage environment should be less than 50%, away from heat sources, fire sources. Store sealed after opening.



### ◆ Polycarboxylate Water Reducer(Pce)

PPCE is a kind of high performance concrete admixture, which is mainly used to improve the working performance and strength of concrete. It is made from a polycarboxylate acid polymer and a functional monomer by polymerization.

#### PRODUCT FEATURES:

Efficient water reduction, beneficial dispersion, collapse retention, durability, retarding, etc.

### ◆ Technical Data:

Appearance	White or slightly yellow powder
Bulk density(g/L)	500-700
Fineness 80 Mesh	≥90
Water content(%)	≤3
CL(%)	≤0.01
Pure slurry fluidity	≥240
Water reduction rate	≥25%

Package 25 kgs/bag

#### Storage:

It should be stored in a cool and dry place, avoid high temperature and humidity environment, and the storage temperature is usually recommended to be below 35 ° C. After opening should be kept sealed.



### ◆ Gypsum Retarder

Gypsum retarder is a kind of chemical additive used to adjust the setting time of gypsum. It is white and brown powder and soluble in water.

Gypsum retarder is mainly used to control the setting rate of gypsum. After adding retarder, the setting time of gypsum will be extended, and its strength will be reduced. The action mechanism of retarder mainly includes reducing the solubility of hemihydrate gypsum, slowing down its dissolution rate, absorbing retarded ions on the surface of dihydrate gypsum crystal and binding to the lattice, forming complex to limit the diffusion of ions to the vicinity of dihydrate gypsum crystal, etc.

#### FUNCTIONS

- 1.Extend setting time
- 2.Control setting rate
- 3.Improve work property
- 4.Increase strength
- 5.Reduce cracking
- 6.Improve water resistance

### ◆ Use And Recommended Addition Amount

Product	Addition Amount	Main Function
Gypsum Plaster	1~2Kg	Delay operation time, improve uniformity ,prevent crack
Plaster itself	0.5~1kg	Provide operation time to ensure constructability and prevent cracks caused by fast solidification

PPackage: 25 kgs/bag

#### Storage:

It will be stored in cool and dry place, avoid high temperature and high humidity environment. The storage temperature is usually recommended to be below 35 ° C, and the storage environment should be kept dry to prevent the product from hygroscopic deterioration. Store sealed after opening.

## Radiation to the **whole country** and the **world**

"Soliciting clients in earnest,  
Win reputation by quality".

From the beginning, in order to win the customer's trust and support, our company always attaches great importance to friendly cooperate with customers, to ensure quality and service, and to value honor.

"To widely cooperate with friends and to share prosperity" has become our most sincere pursuit.



## ◇ Sale And Service

