



Shandong Yuanwang Import and Export Co., Ltd

**WE WORK TOGETHER AND DO BUSINESS DIFFERENTLY,
TO REDEFINE CONSTRUCTION ADDITIVES.**

To be a different company



WOTAI is a fast-growing construction additives brand under Yuan Wang Imp&Exp Co., Ltd. We enjoy strong government support from state-owned organization.

CORE VALUES

WOTAI insists on long-termism and always putting you in the first place. We're a people-oriented team, treating everyone equally and respectfully.

MAIN PRODUCT LINES

Construction chemicals play an important role in construction activities. WOTAI product categories include cellulose ethers, RDP powder, calcium formate, superplasticizers, and PP fiber. The annual capacity of cellulose ethers and RDP powder has reached 40,000 tons and 30,000 tons, respectively.

MODIFIED OEM SOLUTION

WOTAI chemical has been practicing OEM service for many years. Our R&D experts concentrate on productivity and workability to create unique formulas compatible with various building materials, expedite the building process, and enhance work efficiency. However, we're confident in creating, designing, and producing cost-effective solutions per your simple or complex requirements.

MAJOR PRODUCTION BASES

WOTAI established 5 major production bases in Shandong province. All factories are equipped with advanced facilities. Our manufacturing procedure is at the forefront of the international standard.

ADVANCED PRODUCTION TECHNOLOGY

We carefully select high-quality raw materials and send them to automated production lines to keep pace with modern technology and high manufacturing standards. Every batch of stocks and samples is indicated with the corresponding batch number for tracking purposes.

QC MANAGEMENT

Our one-stop solution covers raw materials sourcing, formula research and design, quality testing, and shipping. The quality inspectors carry out strict QC measurements to ensure every indicator's highest standard. We make sure you are satisfied with the quality, quantity, and cost requirements we provide.



To be a different company

HPMC

Hydroxypropyl Methylcellulose

• Advantages

High in water-retention

Sag resistant, prevent cracking

Extend opening time

Improve workability and efficiency



• Technical Data

Reference	Specification
Appearance	white or off-white powder
Moisture %	≤5
Ash %	≤5
Methoxy content %	19-24

Hydroxypropyl content %	4-12
PH value	6-8
Particle size	99% pass 80 mesh
Viscosity range	300-75000 mPa.s (Brookfield RV, 2%)

• Grade Reference/ Application

Grade	Viscosity (mPa.S)	Application
400	300-500	Self-leveling.
20000	15000-25000	Wall putty, Joint filler, Grout.
45000	40000-55000	Wall putty, EIFS, Gypsum plaster.
70000S	65000-75000	Detergent and daily chemicals.
750000	65000-75000	Tile adhesive.

*All grades are available in Classic & Premium collections.

HEC

Hydroxy Ethyl Cellulose

• Advantages

Good water retention, thickening, and anti-suspending

High salt tolerance and PH insensitivity



• Technical Data

Reference	Specification
Appearance	White or off-white
Moisture %	≤5
Ash %	≤5
Etherification (MS/DS)	1.8-2.5
Particle Size	min.92% pass through 80 mesh
Bulk Density	0.30-0.50g/ml



• Grade Reference/ Application

Grade	Viscosity (mPa.S)	Application
WT-HEC30000	25000-35000	Latex paint
WT-HEC50000	45000-55000	Detergent, Oil drilling
WT-HEC300	300-500	Daily necessities

RDP

Re-dispersible Polymer Powder

• Advantages

Superior VAE imported from overseas

Good film formation



• Technical Data

Reference	Specification
Appearance	white or off-white powder
Polymer Type	VAE
Solid Content%	≥99

Average particle size:	<300 μm
pH value	6-8
Particle size	80 mesh
Min Film-forming Temperature:	0°C

• Grade Reference/ Application

Series	Grade	Ash Content	Application
Classic	W4116	17±2 %	Tile adhesive, Self-leveling mortar, Waterproof Mortar, Repair mortar, EIFS.
	W4024	≤25 %	
Premium	T5045N(Flexible)	12±2 %	Cement Plaster, Wall putty.
	T5012N	15±2 %	Tile adhesive, Self-leveling mortar, Waterproof Mortar, Repair mortar, EIFS.
	T5043N	12±2 %	

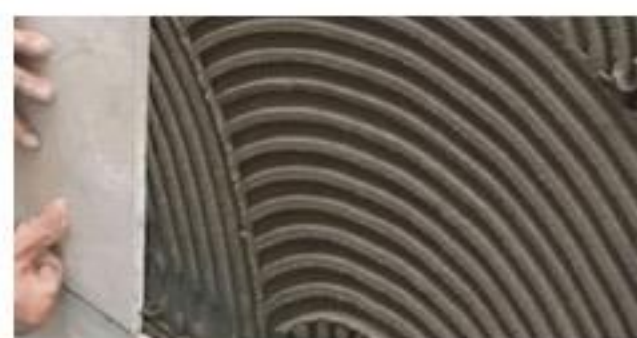
HEMC

Hydroxyethyl Methylcellulose

• Advantages

Water retention and adhesive power
Dispersion and suspension ability

High-temperature resistance
A perfect thickener and film formation agent



• Technical Data

Reference	Specification
Appearance	White or off-white
Moisture %	≤5
Ash %	≤5

Etherification (MS/DS)	0.8-1.2/1.8-2.0
Ph value	6-8
Gel temperature	70-85°C

• Grade Reference/ Application

Grade	Viscosity (mPa.S)	Application
400	300-500	Self-leveling compound.
20000	15000-25000	Tile adhesive, Joint filler, Grout.
45000	40000-55000	Tile adhesive, EIFS, Wall putty.
70000S	65000-75000	Detergent.
75000	65000-75000	Tile adhesive.

*All grades are available in Classic & Premium collections.

PP Fiber

Polypropylene fiber

• Advantages

Without salt and water

High tensile strength



• Grade Reference/ Application

Grade	Length	Application
WOTAI PP-3	3mm	Wall putty
WOTAI PP-6	6mm	Plaster, Precast, Shotcrete.
WOTAI PP-9	9mm	Plaster, Precast, Shotcrete.
WOTAI PP-12	12mm	Precast, Shotcrete, Concrete.

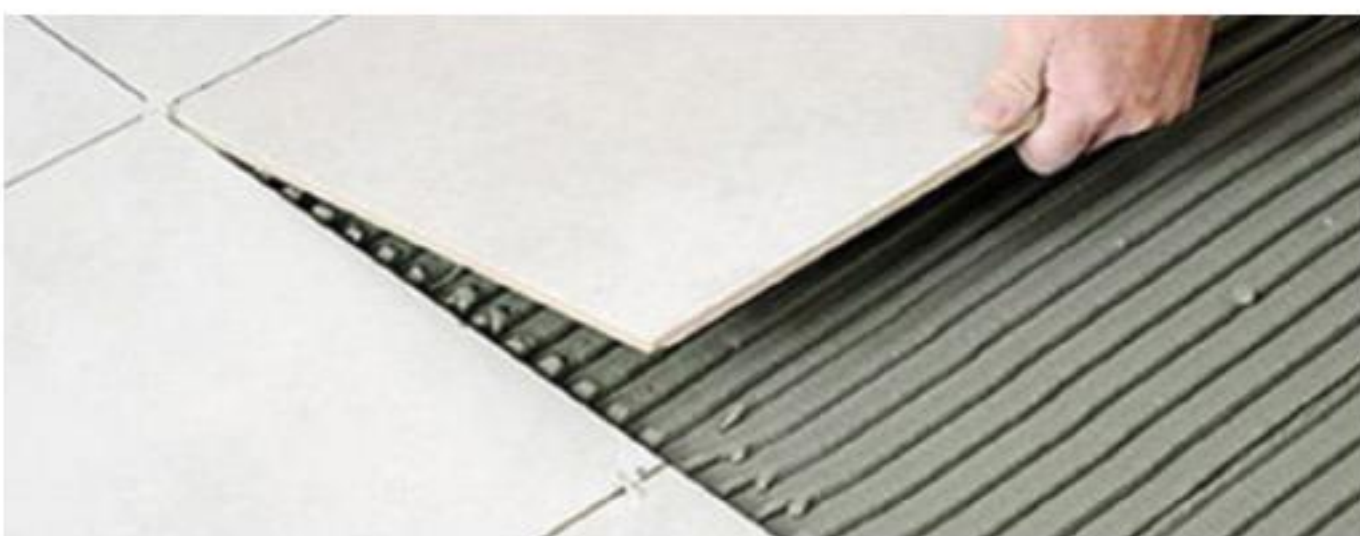
CF

Calcium Formate

• Advantages

Shortening cement setting time

Increase intensity



• Grade Reference/ Application

Reference	For Feed	For Construction
Appearance	White crystal powder	White crystal powder
Purity %	≥98.00	≥98.00
Moisture %	≤0.50	≤0.50
Calcium content %	≥30.10	≥30.10
As %	≤0.0005	N/A
PH value	6.5-7.5	N/A
Heavy metal (as Pb) %	≤0.001	N/A



HPS

Hydroxypropyl Starch Ether

• Advantages

Good workability & little usage amount



• Technical Data

Reference	Specification
Appearance	white or slightly yellowish powder
Solubility	dissolve in cold water
Particle size	≥98% (80 mesh sieve)
Viscosity	300-800CPS
Moisture%	≤10

PCE

Hydroxypropyl Starch Ether

• Advantages

Reduce water consumption, increase fluidity

Environmental protection



• Technical Data

Reference	Specification
Appearance	white or slightly yellowish powder
Bulk density (g/L)	500-700
Moisture %	≤3
Cement paste fluidity (mm)	≥240
*Fineness tested with a standard sieve of 0.3mm in length.	

• Grade Reference/ Application

Grade	Application
WOTAI POLYC	Self-leveling, grouting material, Pulping agent.

SM

Melamine Based Superplasticizer





To be a different company

• Advantages

Increase mortar early strength



Reduce water consumption



• Technical Data

Reference	Specification
Appearance	white powder
Bulk density (g/L)	700±200
Moisture %	≤5
Cement paste fluidity (mm)	≥200
Fineness passing rate %	≥95

*Fineness tested with a standard sieve of 0.3mm in length.

• Grade Reference/ Application

Grade	Application
WOTAI SM	Tile adhesive, Mortar, Concrete

Eco Friendly Packaging



CELLULOSE ETHER



VAE RDP



POLYCARBOXYLATE SUPERPLASTICIZER



CALCIUM FORMATE (building grade)



CALCIUM FORMATE (Feed grade)



MELAMINE SUPERPLASTICIZER

To be a Different Company

We are dedicated to serving you with the utmost professionalism and efficacy.



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