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Cellulose Co., Ltd.

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誼達集團
YIDA GROUP

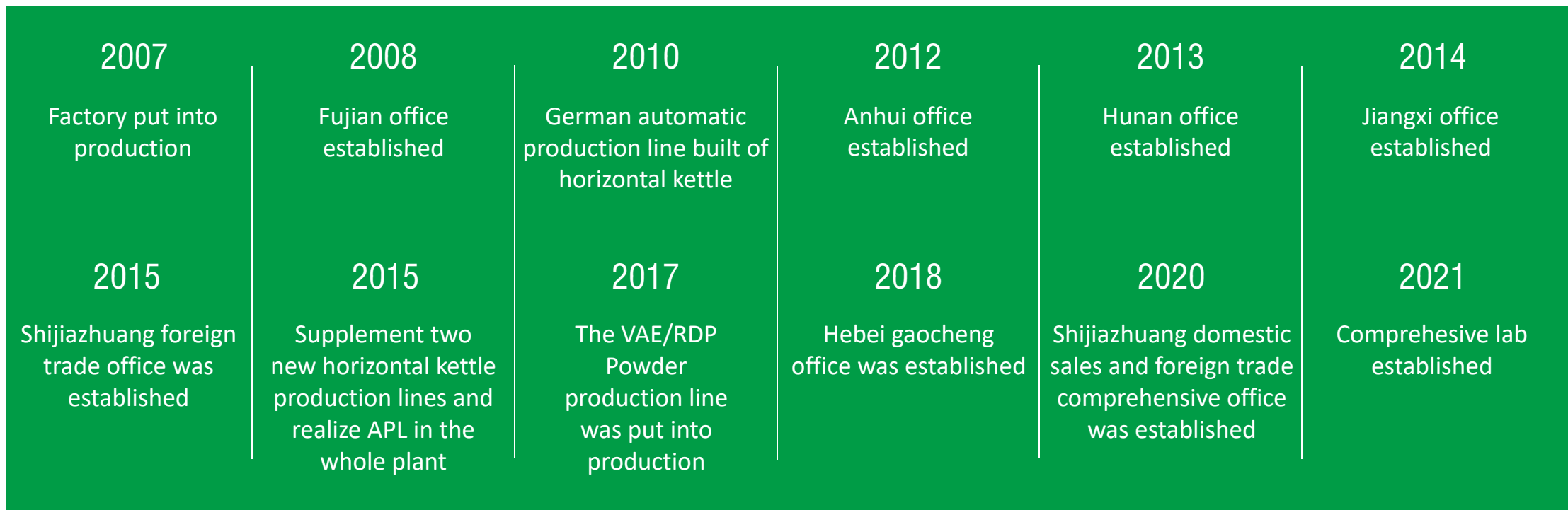
河北誼達纖維素有限公司

Company Profile

Hebei Yida Cellulose Co., Ltd. is a dual high-tech enterprise dedicated to the research and development, production, sales and technical support of new functional powder materials and special polymers.



Enterprise Development



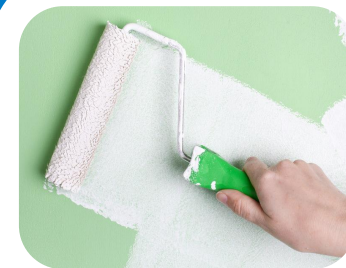
Technical Support

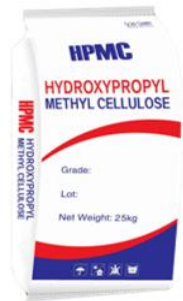
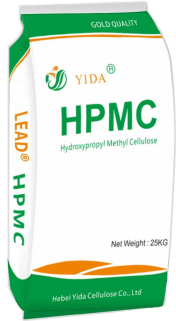


Yida's complete scientific research and after-sales team provides customers with ordinary mortar; dry-mix mortar, tile bonding mortar, gypsum-based products, insulation mortar, self-leveling, putty series, etc.; water-based paint, real stone paint, etc.; Daily chemistry; new environmental protection materials, etc. provide customers with professional formulas, technical support and provide professional scientific research data for the development of new products and other extended services.

Main Products

- HPMC
- HEMC
- HEC
- PVA
- VAE/RDP
- Gypsum Retarder
- Polycarboxylate Superplasticizer
- CMC





HPMC

Item	Specification
Appearance	White or yellowish white powder
Graininess	98% passed 80 mesh
Density	370-390g/l ³
Methoxy %	19-30
Hydroxypropyl %	7.0-12
Moisture %	≤5
Ash %	≤5
pH Value:	6-8
Viscosity(NDJ-1 2%, 20°C)	400-200000

Grade	Viscosity(NDJ 2%,20°C)	Recommend Application	Performance
YD1904	350-450 cps	Self leveling floor	Excellent suspension property
YD1906	4000-6000 cps	Ceramic extrusion	Excellent lubricity and plasticity
YD1910	85000-115000 cps	Skim coat	Long oepn time,good workability
YD1915	125000-155000 cps	EIFS	Good bonding strength,excellent water retention
YD1920	185000-200000 cps	Tile adhesive	High water retention, excellent slip resistance
YD1920S	18500-240000 cps	Daily chemical	High transparency, high thickening, good suspension
YD1950	45000-65000 cps	Sprayed gypsum mortar	Good water retention,smooth hanging performance,no cracking
YD1975	70000-80000 cps	Internal and external wall putty powder	Good workability,excellent sag resistance

HPMC Additional services:

- 1.Customized package available.
- 2.Provide technical consultation, technical tracking, and long-term optimization of the formula system.



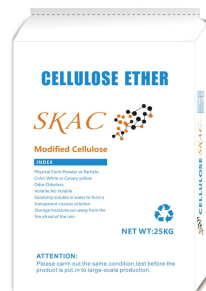
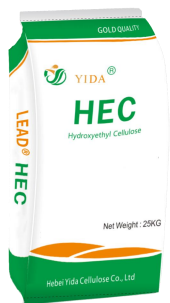
HEMC

Item	Specification	Performance
Appearance	White or yellowish white powder	Thickening
Granularity	100 mesh 98.5% passed, 80mesh 100% passed	Bond
Density	370-390g/l ³	Film formation
Methoxy, %	18-24	Suspension
Hydroxyethyl, %	8-16	Water retention
Water content, %	≤8	Easily dispersed
Ash content, %	≤5	Emulsification
PH Value:	6-8	Strongly adsorbing
Viscosity(2%, 20°C)	4000-200000	Anti-salt

Product	Viscosity	Application	Performance
G60	45000-65000	Ceramic tile binder, gypsum - based products...	Water retention, smooth construction, Prolonged opening time, anti-slip, anti-hanging, improved construction
G80	70000-80000	Putty series, gypsum - based products ...	Water retention, no group, smooth construction Improve anti - current hanging, improve the performance of the hanging, prolong the operation time, high temperature resistance
G100	85000-115000	Putty series	Water retention, thickening, increasing capacity, reducing the amount of addition, good flatness High yield, high water retention, increase capacity, anti - current hanging
G200	170000-200000	Cement mortar	Water retention, thickening, cracking resistance, wetting and avoiding delamination Anti-crack, anti-hollow drum, easy construction, easy leveling

HEMC Additional services:

1. Customized package available.
2. Provide technical consultation, technical tracking, and long-term optimization of the formula system.



HEC

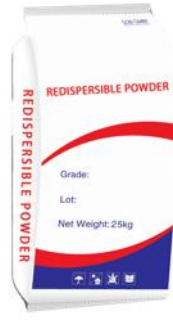
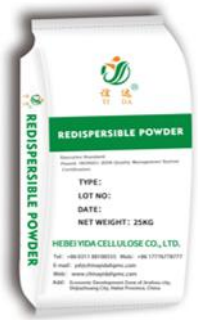
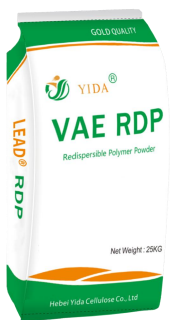
Item	Specification	Performance
Appearance	White or yellowish fibrous, granular or powdered solid	Thickening
Granularity	98% pass 80 mesh	Bond
Molar degree of substitution	1.1-2.0	Water retention
Loss on Drying	≤6	Film formation
Viscosity (Mpa.s)	30000、50000、100000	Improve stability

Grade	Viscosity	Application	Performance	Dosage
SK300	30000	Texture paint, latex paint specially	Water retention, thickening, suspension	The recommended dosage of this product is 2-4‰ of the system, and the dosage needs to be determined by experiment
SK500	50000	Special latex paint	Water retention, thickening, suspension	
SK1000	100000	Special stone lacquer	Water retention, thickening, suspension	The recommended dosage of this product is 1-2.5‰ of the system, and the dosage needs to be determined by experiment.



HEC Main Application:

Water-borne coating is given priority to with resin or oil or emulsion, add corresponding auxiliary, make up with organic solvent or water the sticky liquid that become. Waterborne coatings with excellent performance also have excellent operating performance, good hiding power, strong adhesion of the film, good water retention performance and other characteristics; Cellulose ether is the most suitable raw material to provide these properties.



VAE/RDP

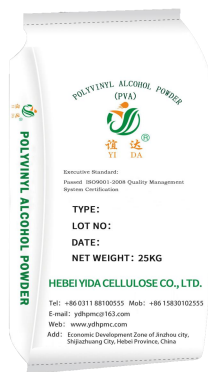
Item	Specification	Performance	Dosage
Appearance	White free flowing powder	Soluble in water and easy to form emulsion	The recommended dosage of this product is 3-20‰ of the system, and the dosage needs to be determined by experiment.
Protective colloid	PVA	Cohesive force	
Solid content, %	97-99	Tensile force	
Ash content, %	10±2	Improve the machinability and flexibility of mixed materials	
Bulk density, g/l ³	300-500	Improve the impermeability of the material	
Particle size, μm	≥80	Improve mortar cohesion, increase concentration, anti - hanging	
Film-forming temperature, °C	0-5	Improve the mortar flexibility, extend the opening time	

Application	YD1030			YD1060			YD1090		
Adhesive mortar	★		★	★	★	★	★	★	★
Pastering/cracking mortar	★		★	★	★	★	★	★	★
Ordinary putty	★	★	★	★	★	★	★		★
Flexible putty	★		★	★	★	★	★	★	★
Tile binder	★		★	★	★	★	★	★	★
Tile grout	★		★	★	★	★	★	★	★
Dry-mixed Cementitious self-leveling floor mortar	★	★	★	★	★	★	★		★
Waterproof mortar	★	★	★	★	★	★	★		★
Repair mortar	★	★	★	★	★	★	★		★
Diatom ooze	★		★	★	★	★	★	★	★

RDP/VAE Additional services:

1. Customized package available.

2. Provide technical consultation, technical tracking, and long-term optimization of the formula system.

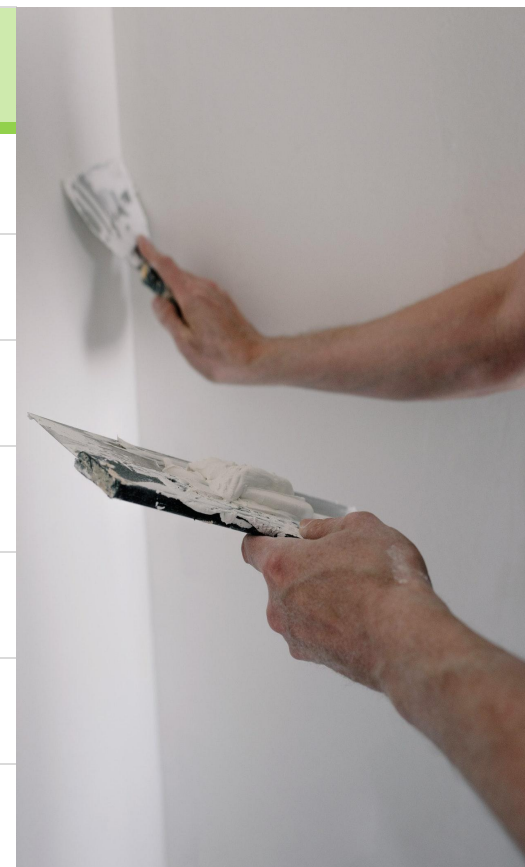


PVA

Item		Specification		Performance	
Appearance		White solid powder		Dissolved in cold water	
Melting point		180-190°C		Prevent mortar cracking and detachment, increase adhesion strength and smoothness	
Particle		80-120 mesh		Improve the bond and strength of mortar	
Type	Fineness	Viscosity	Alcoholysis degreemole %	Ash content %max	Volatilization %max
1788	80-120mesh	20.5-24.5	87-89	0.7	5.0
2488	80-120mesh	40-48	87-89	0.7	5.0

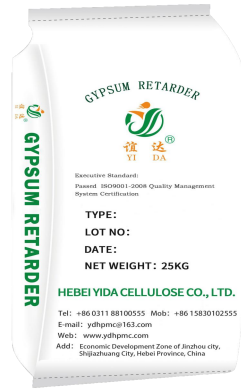
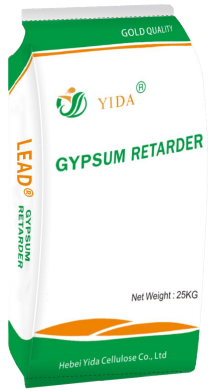


Application	PVA-1788			PVA-2488		
Cement mortar	★	★	★	★		★
Putty series	★		★	★	★	★
Pastering/cracking mortar	★		★	★	★	★
Tile adhesive	★		★	★	★	★
Tile grout	★		★	★	★	★
Cement additive	★	★	★	★		★
Gypsum additive	★	★	★	★		★



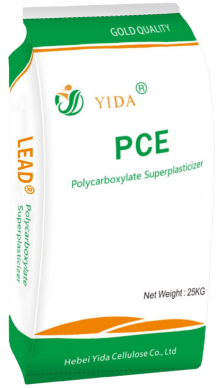
PVA Additional services:

1. Yida packaging/certificate can be printed with customer information, conducive to promotion.
2. Can be customized according to customer demand packaging.



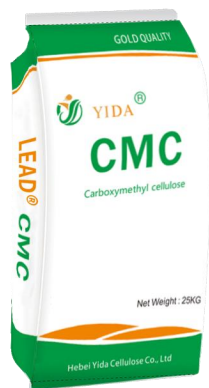
Gypsum Retarder

Item	Specification
Appearance	Pale yellow fine powder
Setting time	It can delay the initial and final setting time of building gypsum for more than 100 minutes. The retarding time was prolonged with the dosage, and the optimal dosage was 1-3‰
Intermiscibility	The product does not contain chlorine salt and water - retaining agent and other additives, and is soluble
PH Value	(20°C、20% solution) PH Value is range of 7-9
Application	Gypsum mortar, plaster plaster, bonding plaster, caulking plaster, gypsum block, ceramic model, gypsum powder for gypsum board and other systems



Polycarboxylate Superplasticizer

Item	Specification
Appearance	Powder, liquid, flake three forms
Moisture content	$\leq 3.5\%$
PH value of 20% solution @20°C	7-9
Chlorine ion content	$\leq 0.05\%$
Air content of concrete test	1.5-6%
Water reducing ratio in concrete test	$\geq 25\%$



CMC

Item	Specification
Appearance	White or off-white powder, odorless, non-toxic
Purity(%)	> 99.5
Viscosity, 2% 25°C mpa.s	1000
PH value of 20% solution @20°C	6.5 - 8.5
Molecular weight	6400 (±1000)
Degree of substitution	> 1.5
Dry reduction (%)≤	10





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