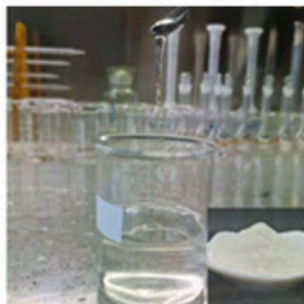
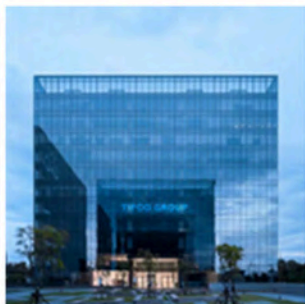


PROFESSIONALISM

PERSUE GREATER AND MORE

TIPOO GROUP



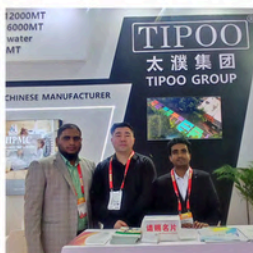
COMPANY PROFILE

Tipoo Group is a part of Tangs business based in China, which was founded in 1988. We are a world-class manufacturer of RDP, HPMC, MHEC, HEC, PCE and Organosilicon Water Repellent . Our production capacity is 32,000 tons of cellulose ether, 12,000 tons of RDP, 6,000 tons of PCE and 8,000 tons of Organosilicon Water Repellent annually.

We provide excellent products and technologies to more than 5,000 customers around the world. Our well-equipped laboratories and R&D help us to support customers with an evaluation of raw materials, as well as the most suitable products selection. Moreover, we can provide proprietary formulas, according to your requirements.

We will always pursue the goal of quality first and service first, uphold the concept of integrity-based and excellence, constantly explore and innovate, increase product types, and provide more and better products for customers at home and abroad.

GLOBAL PRESENCE, R & D and FACTORY



Hydroxypropyl Methylcellulose

HPMC

Atocell®

Atocell® is a trademark for Tipoo's cellulose ether products and derivatives. Our Atocell® products which include Hydroxypropyl Methyl Cellulose (HPMC), Methyl Hydroxyethyl Cellulose (MHEC) and Hydroxyethyl Cellulose (HEC). We offer multiple grades of products (standard and customized) for your specific industrial application.

Product Description

HPMC is a non-ionic, water-soluble, and PH-stable powder product that offers a variety of functional properties when dissolved in water. It can be used as thickeners, binders, surfactants, film formers, protective colloids, suspending agents, and water retention agents in many construction materials.



Atocell® products are widely used in construction materials like tile adhesives, wall putties, cement mortars, and plasters for its thickening, water retention, and binding properties. It's also used in paints, coatings, and detergents to improve consistency, stability, and application performance.

Packaging

Multi-layer paper bags of **25 kg** net Weight and supplied on pallets with shrink-wrapped.

1.2 Tons / Pallets

- 20 FCL 12 MT (12,000 kg) with Pallets
- 40 HQ 24 MT (24,000 kg) with Pallets



Typical Properties

Grade	Brookfield Viscosity	Cement Adhesives			Cement -Based Renders						ETICS/EIFS		Gypsum-based Building Materials			Emulsion -based Materials		Water Based Paints	Daily Chemicals
		Tiles Adhesives	Mortar & Concrete	AAC Block Adhesives	Cement Plaster & Render	Skim Coat/ Wall Putty	Grout	Self-Levelling Mortar	Water-Proofing Mortar	Repair Mortar	EIFS base Coat	EIFS Adhesives	Gypsum Plaster	Gypsum Joint Filler	Gypsum Adhesives	Joint Filler	Tiles Adhesive		
C100S	300-500		•					•											
PC6K	5000-6000	•	•				•	•	•										
PC10K	9000-10000	•	•		•		•			•				•					
PC20K	15000-25000	•	•		•	•	•				•		•	•					
PC45K	40000-55000	•	•	•	•	•					•	•	•		•				
PC70K	65000-75000	•	•	•								•			•				
PC20KS	15000-25000															•	•		
PC45KS	40000-55000															•	•		
PC70KS	65000-75000	•	•										•		•			•	
D80KS	65000-75000																		•
D4KS	3500-5500																		•

* Daily Chemicals: Liquid Detergent, Shower Gel, Shampoo, Liquid Soap, Laundry Detergent, etc.

Advantages

- Enhance bonding strength
- Increase open time
- Improve workability
- Improve rheology control
- Improve Good water retention even under high temperature
- Improve sag and crack resistance
- Improve freeze-thaw stability
- Improve thickening efficiency
- Improve wetting and troweling ability
- Improve compatibility with other additives

Characteristics

Tiles Adhesives	PC6K PC10K PC20K PC45K PC70K PC70KS	• Easy to obtain a smooth surface • Good paste stabilization • Good wetting and troweling ability and high water retention • Long open time • Good compatibility with other additives • Excellent slipping resistance • Less retardation of cement setting
Mortar & Concrete	C1005, PC6K, PC10K, PC20K, PC45K, PC70K, PC70KS	• Good wetting and troweling ability and high water retention. • Long open time • Easy to obtain a smooth surface • Good paste stabilization • Good compatibility with other additives • Good suspension stability • Low influence on mortar strength development • Good slip resistance
AAC Block Adheives	PC45K, PC70K	
Cement Plaster & Render	PC10K, PC20K, PC45K	
Grout	PC6K, PC10K, PC20K	
Self-Levelling Mortar	C1005, PC6K	
Water- Proofing Mortar	PC6K	
Repair Mortar	PC10K	
EIFS Base Coat	PC20K, PC45K	
EIFS Adheives	PC45K, PC70K	
Gypsum Joint Filler	PC10K, PC20K	
Gypsum Adhesives	PC45K, PC70K, PC70KS	
Joint Filler	PC20KS, PC45KS	
Emulsion Based Tiles Adhesive	PC20KS, PC45KS	
Water Based Paints	PC70KS	
Skim Coat / Wall Putty	PC20K, PC45K	• Good paste stabilization • Good wetting and troweling ability and high water retention • Long open time • Good compatibility with other additives • Easy to obtain a smooth surface • Excellent slipping resistance • Easy to obtain a smooth surface • Less retardation of cement setting
Gypsum Plaster	PC20K, PC45K, PC70KS	
Daily Chemicals	D80KS D4KS	• Quickly dissolves in cool water without lumping, allowing fast viscosity setup. • Provides strong thickening, even in challenging formulations, and improves stability in surfactant systems. • Enhances the stability of oil phases and maintains foam effectively. • Offers clear solutions with good stability in both powder and liquid forms.

Applications



Tile Adhesive



Wall Putty/Skim Coat



Grout



Cement Plaster



Gypsum Plaster



Detergent

Methyl Hydroxyethyl Cellulose

MHEC

Atocell®

Atocell® is a trademark for Tipoo's cellulose ether products and derivatives. Our Atocell® products which include Hydroxypropyl Methyl Cellulose (HPMC), Methyl Hydroxyethyl Cellulose (MHEC) and Hydroxyethyl Cellulose (HEC). We offer multiple grades of products (standard and customized) for your specific industrial application.

Product Description

MHEC is a non-ionic, water-soluble, and PH-stable powder product that offers a variety of functional properties when dissolved in water. It can be used as thickeners, binders, surfactants, film formers, protective colloids, suspending agents, and water retention agents in many construction materials.



Atocell® products are widely used in construction materials like tile adhesives, wall putties, cement mortars, and plasters for its thickening, water retention, and binding properties. It's also used in paints, coatings, and detergents to improve consistency, stability, and application performance.

Packaging

Multi-layer paper bags of **25 kg** net Weight and supplied on pallets with shrink-wrapped.

1.2 Tons / Pallets

- 20 FCL 12 MT (12,000 kg) with Pallets
- 40 HQ 24 MT (24,000 kg) with Pallets



Typical Properties

Grade	Brookfield Viscosity	Cement Adhesives			Cement -Based Renders						ETICS/EIFS		Gypsum Based Building Materials			Emulsion Based Materials		Water Based Paints	Daily Chemicals
		Tiles Adhesives	Mortar & Concrete	AAC Block Adhesives	Cement Plaster & Render	Skim Coat/ Wall Putty	Grout	Self-Levelling Mortar	Water-Proofing Mortar	Repair Mortar	EIFS base Coat	EIFS Adhesives	Gypsum Plaster	Gypsum Joint Filler	Gypsum Adhesives	Joint Filler	Tiles Adhesive		
EM6H	5000-6000	●	●		●		●	●											
EM10H	9000-10000	●	●		●		●		●	●				●					
EM20H	15000-25000	●	●		●	●	●						●	●	●				
EM45H	40000-55000	●	●	●	●	●					●	●	●		●				
EM70H	65000-75000	●	●	●	●	●										●			
EM20HS	15000-25000															●			
EM45HS	40000-55000																●		
EM70HS	65000-75000	●	●										●		●		●	●	
D80ES	65000-75000																		●
D4ES	3500-5500																		●

* Daily Chemicals: Liquid Detergent, Shower Gel, Shampoo, Liquid Soap, Laundry Detergent, etc.

Advantages

- Enhance bonding strength
- Increase open time
- Improve workability
- Improve rheology control
- Improve Good water retention even under high temperature
- Improve sag and crack resistance
- Improve freeze-thaw stability
- Improve thickening efficiency
- Improve wetting and troweling ability
- Improve compatibility with other additives

Characteristics

Tiles Adhesives	EM6H, EM10H, EM20H, EM45H, EM70H, EM70HS	• Good paste stabilization • Good wetting and troweling ability and high water retention • Long open time • Good compatibility with other additives • Easy to obtain a smooth surface • Good slip resistance
Mortar & Concrete	EM6H, EM10H, EM20H, EM45H, EM70H, EM70HS	• Good wetting and troweling ability and high water retention. • Long open time • Easy to obtain a smooth surface • Excellent slipping resistance • Less retardation of cement setting • Good paste stabilization
AAC Block Adhesives	EM45H, EM70H	• Good paste stabilization • Good wetting and troweling ability and high water retention • Long open time • Good compatibility with other additives • Easy to obtain a smooth surface
Cement Plaster & Render	EM6H, EM10H, EM20H, EM45H, EM70H	
Skim Coat / Wall Putty	EM20H, EM45H, EM70H	• Good paste stabilization • Good wetting and troweling ability & high water retention • Long open time • Good compatibility with other additives • Easy to obtain a smooth surface • Good slip resistance
Grout	EM6H, EM10H, EM20H	
Self-Levelling Mortar	EM6H	• Good suspension stability • Low influence on mortar strength development • Easy to obtain a smooth surface • Good compatibility with other additives • Good wetting and troweling ability • Long open time
Water-Proofing Mortar	EM10H	• Good wetting and troweling ability • Long open time • Easy to obtain a smooth surface • Good compatibility with other additives
Repair Mortar	EM10H	
EIFS Base Coat	EM45H	• Good wetting and troweling ability and high water retention • Long open time • Easy to obtain a smooth surface • Good compatibility with other additives • Good slip resistance
EIFS Adheives	EM45H	
Gypsum Plaster	EM20H, EM45H, EM70HS	• Good paste stabilization • Good wetting and troweling ability and high water retention • Long open time • Good compatibility with other additives • Easy to obtain a smooth surface • Excellent slipping resistance • Less retardation of cement setting
Gypsum Joint Filler	EM10H, EM20H	• Good wetting and troweling ability • Long open time • Easy to obtain a smooth surface • Good compatibility with other additives • Good paste stabilization
Gypsum Adheives	EM20H, EM45H, EM70HS	
Joint Filler	EM70H, EM20HS	
Emulsion Based Materials Tiles Adhesive	EM45HS, EM70HS	• Good paste stabilization • Good wetting and troweling ability and high water retention • Long open time • Good compatibility with other additives • Excellent slip resistance
Water Based Paints	EM70HS	
Daily Chemicals	D80ES, D4ES	• Quickly dissolves in cool water without lumping, allowing fast viscosity setup. • Provides strong thickening, even in challenging formulations, and improves stability in surfactant systems. • Enhances the stability of oil phases and maintains foam effectively. • Offers clear solutions with good stability in both powder and liquid forms.

Applications



Tile Adhesive



Wall Putty/Skim Coat



Grout



Cement Plaster



Gypsum Plaster



Detergent

Hydroxyethyl Cellulose

HEC

Atocell®

Atocell® is a trademark for Tipoo's cellulose ether products and derivatives. Our Atocell® products include Hydroxypropyl Methyl Cellulose (HPMC), Methyl Hydroxyethyl Cellulose (MHEC) and Hydroxyethyl Cellulose (HEC). We offer multiple grades of products (standard and customized) for your specific industrial application.

Product Description

HEC is a non-ionic, water-soluble, and PH-stable powder product that offers a variety of functional properties when dissolved in water. It can be used as thickeners, binders, surfactants, film formers, protective colloids, suspending agents, and water retention agents in many construction materials.



Atocell® HEC is available for a variety of waterborne interior and exterior paints. It is the most widely used thickener in exterior latex paints with wide compatibilities that can be matched with many coating ingredients such as pigments, surfactants, emulsifiers, preservatives, and binders.

Packaging

Multi-layer paper bags of **25 kg** net Weight and supplied on pallets with shrink-wrapped.

1.2 Tons / Pallets

- 20 FCL 12 MT (12,000 kg) with Pallets
- 40 HQ 24 MT (24,000 kg) with Pallets



Typical Properties

Brand	Grade	Viscosity (mPa-s)	Stone Paints	Texture Paints	Limestone Render	Latex Paints	Oil Field/ Drilling	Personal Care	Interior Wall	Exterior Wall	Coating	Cosmetics
Atocell®	C2011	10000-20000			●	●						
	C2041	22000-37000	●	●	●	●		●				
	C2081	90000-120000	●	●	●	●						
	C4081	4000-6000	●	●	●	●	●					
	C2582	2600-3800	●		●	●	●					
	30,000 BS	15000-25000							●	●		
	60,000 BS	2600-3800	●		●				●	●	●	
	100,000 BS	90000-120,000							●	●		
	B15000 Enhance	600~ 1200					●				●	●
	B30000 Enhance	1500~ 2500					●				●	●
	B60000 Enhance	2600~ 3400					●				●	●
	B200000 Enhance	3400~ 5000					●				●	●
	E15000	600~ 1200					●				●	●
	E30000	1500~ 2500					●				●	●
	E60000	2600~ 3400					●				●	●
	E200000	3400~ 5000					●				●	●

* Personal Care: Liquid Detergent, Shower Gel, Shampoo, Liquid Soap, Laundry Detergent, etc.

Applications



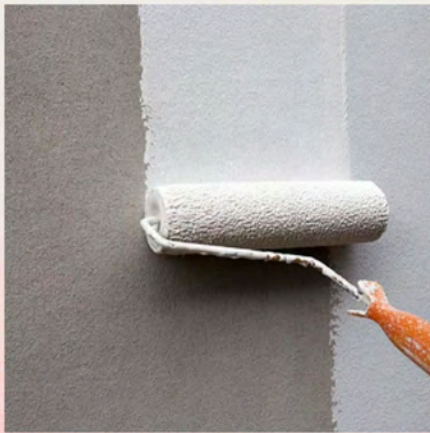
Stone Paints



Texture Paints



Limestone Render



Latex Paints



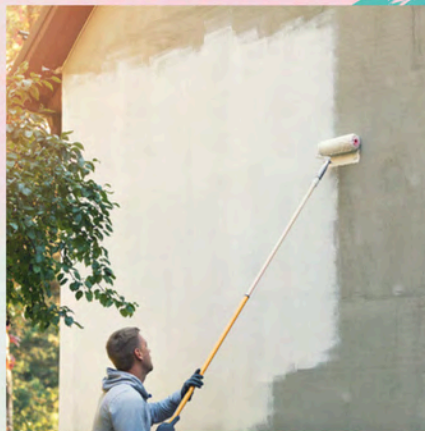
Oil Field



Interior Wall



Personal Care



Exterior Wall



Cosmetics

Characteristics

Stone Paints	C2041, C2081, C4081, C2582, 60,000BS	• Good bio-stability, no viscosity loss. • Easy dispersion and dissolution in cool water, no lumps. • Outstanding spatter resistance. • Excellent color acceptance and development. • Good can stability.
Texture Paints	C2041, C2081, C4081	
Limestone Render	C2011, C2041, C2081, C4081, C2582, 60,000BS	
Latex Paints	C2011, C2041, C2081, C4081, C2582	
Oil Field / Drilling	C4081, C2582 B15000 Enhance, B30000 Enhance, B60000 Enhance, B200000 Enhance, E15000, E30000, E60000, E200000	
Interior Wall	30,000BS, 60,000BS, 200,000BS	• High thickening effect. • Excellent rheological properties. • Dispersibility and solubility. • Storage stability.
Exterior Wall	30,000BS, 60,000BS, 200,000BS	
Coating	B15000 Enhance, B30000 Enhance, B60000 Enhance, B200000 Enhance, E15000, E30000, E60000, E200000, 60,000BS	
Cosmetics	B15000 Enhance, B30000 Enhance, B60000 Enhance, B200000 Enhance, E15000, E30000, E60000, E200000	
Personal Care	C2041	• Easy dispersion and dissolution in cool water, no lumping. • Good leveling. • Excellent color acceptance and development. • Good can stability. • Good bio-stability.

Advantages

Oil Field

- Improve water retention property
- High thickening efficient
- Easy dissolving and eco-friendly
- Enhance stability and workability

Paint & Coating

- Excellent color acceptance and viscosity stability
- Good water retaining ability and open time
- Good rheological properties, dispersion and solubility
- Excellent workability and improved spattering resistance

Redispersible Polymer Powder

RDP

TIPOO GROUP

Atopas®

Atopas® is a registered trademark for Tipoo's redispersible polymer powder product. It forms a complementary technology to Tipoo's Atocell™ cellulose portfolio.

Product Description

Atopas® RDP is a free-flowing and water-soluble white powder product that is obtained from vinyl acetate ethylene through spray-drying process. The addition of Atopas® VAE-RDP in dry-mix formulations can enhance the mortar adhesion and cohesion.



It also improves the mortar workability, flexibility, and enhances the hydrophobicity, durability, and greatly improve the tensile strength of materials and anti-bending degree. Our Atopas® products are broadly used as modifiers in as cement-based tile adhesives, thermal insulation systems and self-leveling flooring compounds.

Packaging

Multi-layer paper bags of **25 kg** net Weight and supplied on pallets with shrink-wrapped.

1.2 / 1.5 Tons Per Pallets

- 20 FCL 15 MT (15,000 kg) with Pallets
- 40 GP 24 MT (24,000 kg) with Pallets

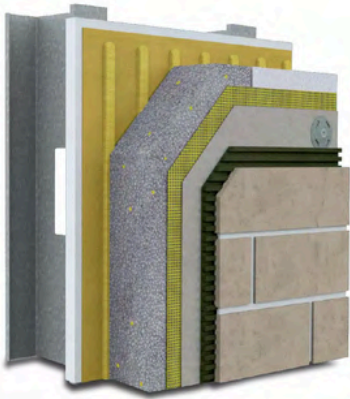


Typical Properties

Technical Data	RDP 8234H	RDP 7234	RDP 5248	RDP 5244	RDP 5243	RDP 5219	RDP 5211	RDP 5210	RDP 4218	RDP 4215	RDP 3218	RDP 3217
Polymerized	/	EVA	/	/	/	EVA	EVA	EVA	EVA	/	/	EVA
Protective Colloid	PVA	PVA	PVA	PVA	PVA	PVA	PVA	PVA	PVA	PVA	PVA	PVA
Appearance	white to light beige powder	White powder	white to light beige powder	white to light beige powder	white to light beige powder	White powder	White powder	White powder	White powder	white to light beige powder	white to light beige powder	White powder
Solid Content (%)	98±1	99±1	99±1	99±1	99±1	99±1	99±1	99±1	99±1	99±1	99±1	99±1
Bulk Density (kg/m ³)	400 - 555	400 - 555	400 - 550	400 - 550	400 - 555	400 - 555	400 - 555	400 - 555	400 - 555	490 - 590	475 - 625	475 - 625
Particle Size (max 4%)	> 400 µm	/	400µm	400µm	> 400 µm	/	/	/	/	400µm	400µm	/
Ash Content (%)	13±2	12±2	12±2	12±2	12±2	12±2	12±2	12±2	15±2	13±2	13±2	17±2
Lowest Film forming Temperature	0 °C	0°C	0°C	0°C	0°C	0°C	0°C	0°C	0°C	4°C	4°C	0°C
Glass Transition Temperature	/	0°C	/	/	/	0°C	0°C	0°C	0°C	/	/	0°C
Viscosity 25°C	/	2000 mPa.s	2000 mPa.s	/	/	2000 mPa.s	2000 mPa.s	2000 mPa.s	2000 mPa.s	2000 mPa.s	2000 mPa.s	2000 mPa.s

- EVA - Ethylene-vinyl Acetate Copolymer
- PVA - Polyvinyl Alcohol

Applications



EIFS



Tile Adhesive



Wall Putty/Skim Coat



Joint Filler



**Adhesive & Base-Coat
Mortar**



Waterproof Mortar



Concrete Repair



Plaster/Render



Masonry Mortar

Characteristics

Tile / Ceramic Adhesives	5210, 4218, 4215, 3217	- Enhances adhesive properties and mechanical strength of mortar. - Provides excellent resistance to heat, water, freeze-thaw cycles, and aging. - Improves workability, durability, flexibility, and hydrophobicity to reduce cracking in the mortar. - Improves workability for easier mixing, application, and finishing, essential for a consistent waterproof layer.
Wall Putty / Skim Coat	8234H, 7234, 5244, 5243, 5219, 5210, 4218, 4215, 3217	
Tile Grout	8234H, 5210	
Waterproof Mortar	7234, 5219, 5211, 4218	
Concrete Repair	7234, 5244, 5219, 5211, 4218, 3217	
Thermal Insulation Mortar	7234, 5219, 4218, 3217	
ETICS / EIFS	5219, 5211, 3218	
Mineral Renders & Plasters	8234H, 7234, 5248, 5244	
Adhesive & Base-Coat Mortars	8234H, 5248, 5243	
Binding Mortar	5219, 4218	
Plaster Mortar	4218	
Gypsum Plaster & Interface Agent	3217	
Cement Based Self-leveling	4218, 5219	
Oil Drilling	4218, 5219	
Thermal Insulation Renders	8234H, 7234, 5244, 5243	- It Enhance the adhesive property and mechanical strength of mortar. - It provides excellent heat, water, freeze-thaw, and aging resistance. - Enhances flexibility and minimizes shrinkage during curing to reduce cracking and ensure a stable finish.
Cementitious Waterproofing Membrane	5248	

Advantages

- Increase the adhesion to all kinds of substrates
- Improve the workability
- Increase the impact and abrasion resistance
- Enhance the freeze/thaw resistance
- Increase the flexibility
- Effectively reduce the bibulous rate of mortar



Cement Based Self Leveling



Plaster Mortar



Cementitious Waterproof Mortar



Oil Drilling

Application Selection

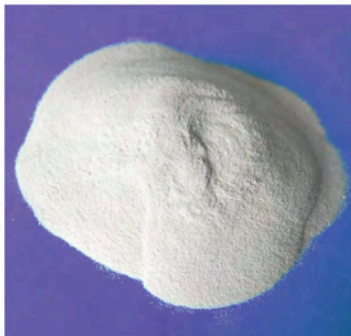
Grades	RDP 8234H	RDP 7234	RDP 5248	RDP 5244	RDP 5243	RDP 5219	RDP 5211	RDP 5210	RDP 4218	RDP 4215	RDP 3218	RDP 3217
Tiles/Ceramic Adhesives								•	•	•		•
Wall putty/Skim coat	•	•		•	•	•		•	•	•		•
Tile Grout	•							•				
Waterproof Mortar		•				•	•		•			
Concrete Repair		•		•		•	•		•			•
Thermal Insulation Mortar		•				•			•			•
ETICS/EIFS						•	•				•	
Mineral Renders & Plasters	•	•	•	•								
Adhesive & Base-Coat Mortars	•		•		•							
Thermal Insulation Renders	•	•		•	•							
Cementitious Waterproofing Membrane			•									
Binding Mortar						•			•			
Plaster Mortar									•			
Gypsum Plaster & Interface Agent												•
Cement Based Self-leveling						•			•			
Oil Drilling						•			•			

Polycarboxylate Ether

PCE

Product Description

Polycarboxylic Ether water reducing agent is a copolymerization of unsaturated monomers containing carboxyl groups with unsaturated monomers containing other functional groups. It is a high-performance water reducing agent.



Typical Properties

Grade	Applications / Characteristics
C603	It is used for cement-based screed layer and self-leveling system, and is mainly a material system based on thioaluminate cement. The product has the advantages of high water reduction rate, excellent adaptability and stability, excellent flow performance, wide pH applicability, and excellent workability and mechanical strength of the material.
C609	It is used for grout, press slurry, support mortar, repair mortar, etc. of ordinary Portland cement, with the advantages of high water reduction rate, excellent fluidity, strong formula compatibility, long-term stability and easy storage.
G608	Used in gypsum-based products, gypsum-based self-leveling mortars. The performance is more stable, with high water reduction, high fluidity, and strong adaptability with other admixtures

Packaging

Multi-layer paper bags of **25 kg** net Weight and supplied on pallets with shrink-wrapped.

1.2 Tons / Pallets

- 20 FCL 12 MT (12,000 kg) with Pallets
- 40 GP 24 MT (24,000 kg) with Pallets



Advantages

- Low dosage
- High water reduction rate
- Good dispersion
- Good and easy to use
- The molecular structure is controllable
- Green environmental protection
- Greatly improve the early and late strength of concrete and construction mortar
- Reduce the rate of heat release of cement hydration, which facilitates the construction opening time.

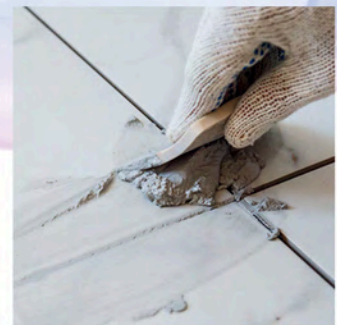
Applications



**Cement Based
Screed Layer**



Self Leveling System



Grout



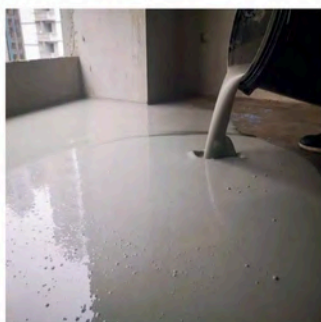
Press Slurry



Repair Mortar



Support Mortar



**Gypsum Based
Self Leveling Mortar**



Gypsum Based Products

Organosilicon Water Repellent

HydroMax HM-1433

Product Description

This product is a mixture of silane and siloxane. It uses a water-soluble protective colloid and anti-caking agent to encapsulate the silane, resulting in an organosilicon powder product.

When dry mix mortar is mixed with water, its rapid dispersibility allows it to dissolve quickly in water and release the silane and siloxane it contains. Its molecular structure interacts with water and moisture in the environment, causing a hydrolysis reaction and forming hydrophobic components. This improves the microporous structure of the finished product.

Physical Properties

Appearance	White Free-flowing Powder
PH(10% Solution)	7.0±0.5
Density	0.5±0.1
Active Components	65-70%

Applications

- Waterproof mortar
- Color decorative mortar
- Tile grout
- Other mortars with low water absorption requirements

Reference Formulas

Raw Materials	Waterproof Mortar	Color Decorative Mortar	Tile Grout
Cement (PO42.5)	400	250	250
High-alumina Cement		100	100
Calcium Carbonate	10		150
Sand(40-120 Mesh)	600	650	500
Atocell Cellulose Ether	1.8	2	3
Atopas RDP 5248	25-30	30	10
Hydromax HM-1433	2	3	3
Atoplex PCE C609	0.3	0.3	0.5
Thixotropic Agent			

CONTACT

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