



# PRODUCT BROCHURE

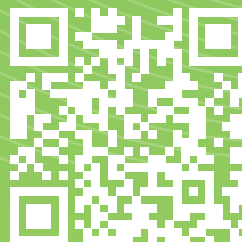
*More than the best*

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# Introduction

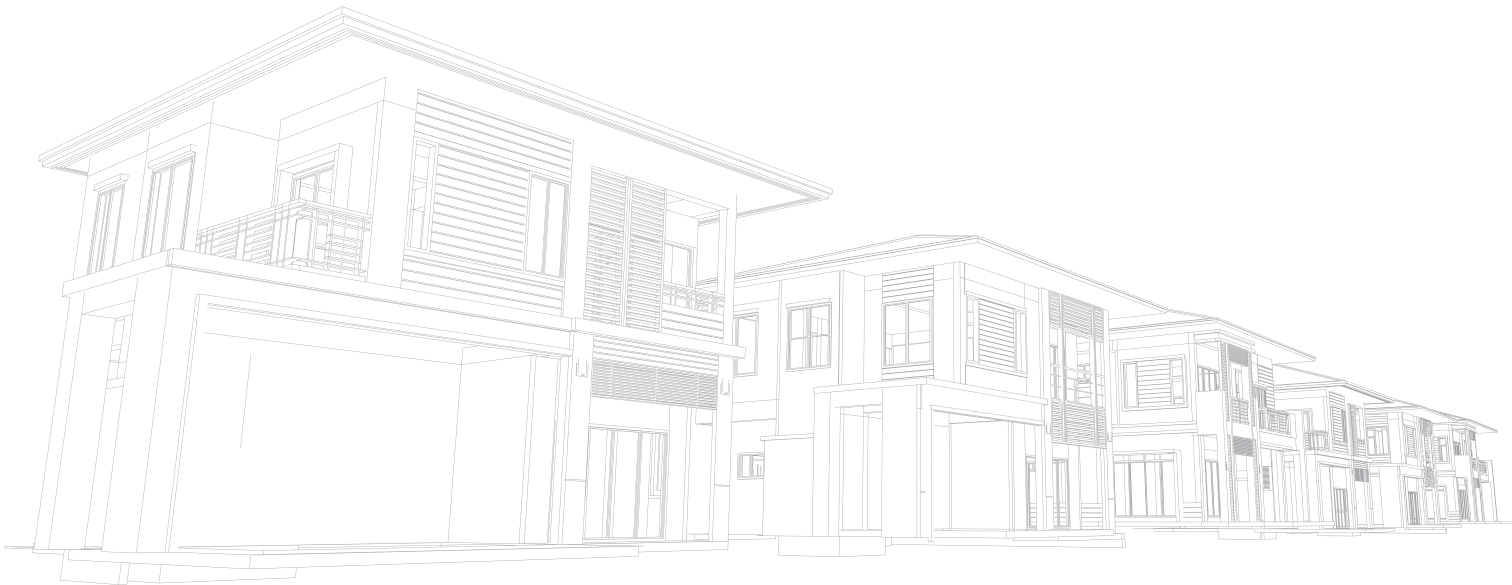
**Zovae** is a leading global supplier of innovative construction chemical materials, specializing in **Redispersible Polymer Powder, Cellulose ether and other advanced additives**. With **2** state-of-the-art factories in Shandong Province, China, and four dedicated application laboratories, we ensure our high-quality products meet the diverse needs of customers worldwide.

## Product Range

- VAE/Redispersible Polymer Powder (**RDP**) - - - - - **20,000** MT/Year
- Polycarboxylate Super Plasticizer (**PCE**) - - - - - **5,000** MT/Year
- Gypsum Retarder - - - - - **5,000** MT/Year
- Silicone Hydrophobic Powder (**SHP**) - - - - - **5,000** MT/Year
- Powder Defoamer - - - - - **5,000** MT/Year
- Cellulose Ether - - - - - **45,000** MT/Year

# Content

Introduction	01
R&D Center	02
Redispersible Polymer Powder (VAE RDP)	03
Polycarboxylate Superplasticizer (PCE)	05
Gypsum Retarder	05
Silicone Hydrophobic Powder (SHP)	06
Powder Defoamer	06
Cellulose Ether	07
Applications	10
- Tile Adhesive	10
- Wall Putty/Skim Coat(Cement-Based)	11
- Gypsum-Based Motar	12
- Cement & Lime-based render/plaster	13
- Self-leveling Compounds	14
- EIFS( Exterior Insulation and Finish System )	14
- Detergent & Personal Care	15
- Oil Drilling	15
- Paints and Coatings	16





# INTELLIGENT FACTORY



## FACTORY REALISTIC VIEW



## FACTORY WORKSHOP VIEW



# R&D CENTER





# Redispersible Polymer Powder (RDP)

Redispersible Polymer Powder (RDP) is a type of polymer that is designed to be dispersed in water to form a latex emulsion. It's essentially a dry form of a latex emulsion, making it convenient for transportation, storage, and handling. Once redispersed in water, RDP behaves similarly to a freshly prepared latex emulsion.

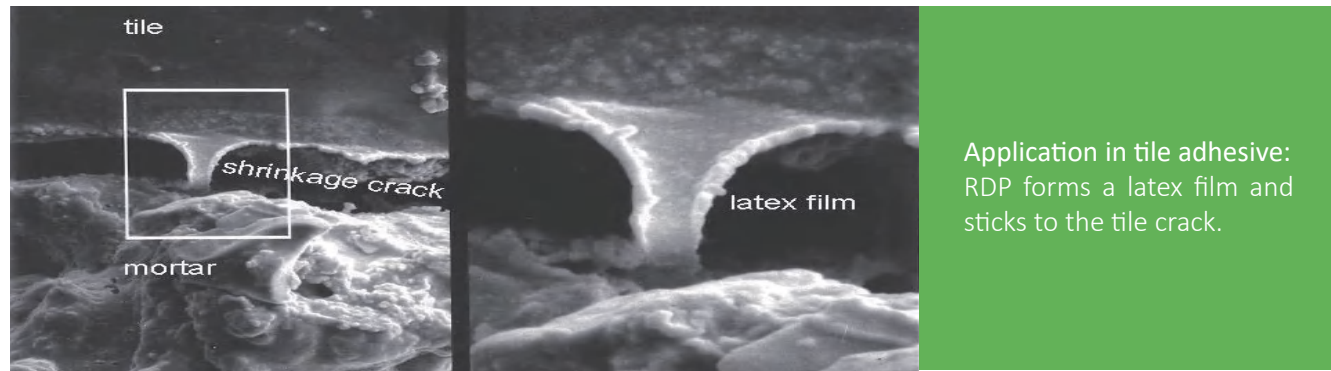
ZOVAE™ brand RDP, choose famous emulsion brand as raw material, also equipped with an energy recycling machine, which can save 15-20% energy. From raw material to the production procedure, we pay our heart to our products.

### Key Features of RDP

- ★ Increase adhesion to various substrates
- ★ Higher flexure strength and flexibility
- ★ Improve workability
- ★ Enhance impact resistance and durability
- ★ Improve substrate wetting
- ★ Boosted freeze/thaw resistance
- ★ Improve the toughness, adhesion and density of mortar



### Specification of RDP



## I RDP Recommend Table

Grade		Rigid			Semi-flexible		Flexible		Self-leveling	Hydrophobic Type	
Product Number		ZW5018N	ZW5115N	ZW6011N	ZW5026N	ZW6028N	ZW6045N	ZW6048N	ZW6111L	ZW9032H	ZW9035H
Solid Content %		≥98%									
Bulk Density/g/l		500-600							450-550		
Particle Size/μm		~80									
pH					5.0-8.0					7.0-9.0	
Tg/℃		15 ~ 20			0 ~ 5		-10 ~ -15		15 ~ 20	-5 ~ 0	
MFFT/℃		4			1		0		4	0	
Tile Adhesive	Normal Tile Cement(C0)	●●			●		●			●	
	Standard Tile Cement(C1)	●●			●●		●			●	
	High Performance Tile Cement(C2)	●			●●		●●			●	
	Flexible Tile Cement(S1&S2)				●●		●●			●	
Tile Grout	Tile Grout	●			●		●●			●●	
Self-Leveling ompounds	Self-leveling Compounds				●		●		●●		
EIFS/ETIC	Adhesive	●●			●●		●			●	
	Base Coat	●			●		●●			●●	
Plaster/Render	Interior Wall Putty	●●			●●		●			●	
	Exterior Wall Putty	●			●		●●			●●	
Others	Repair Mortar	●●			●●		●			●●	
	Waterproofing Mortor	●			●		●			●●	
	Decorative Mortar				●		●			●●	
	Stucco									●●	
Gypsum Plaster	Gypsum Manual	●			●●		●			●	
	Gypsum Machine	●			●●		●			●	
Self-leveling Compounds	Self-leveling Compounds						●		●	●	
Gypsum board accessories	Gypsum Adhesive	●			●●		●			●	
	Gypsum Filler/Joint Filler	●			●●		●			●	

# Polycarboxylate Superplasticizer (PCE)

**PCE** is a high performance water reducing agent, which is a cement dispersant in the application of cement concrete. Widely used in highways, bridges, dams, tunnels, high-rise buildings and other projects.

Benefits

- ★ Good dispersion
- ★ High water reducing ability
- ★ High slump retention
- ★ Capability
- ★ Good adhesion
- ★ High liquidity
- ★ Low shrinkage

Grade						Bulk Density	Active Ingredients	Water Reduction Rate	Moisture Content
POLLYFLEX™ <b>730</b> ; POLLYFLEX™ <b>740</b> ; POLLYFLEX™ <b>750</b> ; POLLYFLEX™ <b>760</b>						600±100g/L	≥90%	≥25%	≤3%
Grade	Grouting Mortars	Injection Mortars	UHPC	Cement Based Prefabricated Component	Cement Based Sef-Levelling	Repair Mortar	Waterproof Mortar	Gypsum Based Self Levelling	Gypsum Based Prefabricated Componet
POLLYFLEX <b>730</b>	★★★	★★★	★★	★★					
POLLYFLEX <b>740</b>	★	★			★★★	★★★	★★★		
POLLYFLEX <b>750</b>								★★★	★★★
POLLYFLEX <b>760</b>	★★	★★	★★★	★★★	★★	★★	★★	★★	★★

# Gypsum Retarder

Semi-hydrated gypsum sets and hardens very quickly (usually 3-10 minutes), and the plastic working time is short. using gysum alone can not meet the needs of operation time, we must usea retarder to control the setting time? and improve its utilization rate.

Benefits

- ★ Excellent retarding effect
- ★ Low dosage
- ★ Good adaptability
- ★ Extend construction time
- ★ Odorless
- ★ Improve surface construction quality

Grade	Apperance	Bulk Density(g/L)	Moisture Content	Gypsum Based Self Levelling	Gypsum Plaster	Gypsum Putty	Caulking Gypsum	Prefabricated Gypsum Components	Other Applications of Gypsum Product
GYPSURE™ 60X	Light yellow Powder	600±100g/L	≤5%		★★★	★★★	★★★	★★★	★★★
GYPSURE™ 60P	Light yellow Powder	600±100g/L	≤5%	★★★	★★	★★	★★	★★	★★
GYPSURE™ 70F	Light yellow Powder	600±100g/L	≤5%	★★★	★★★	★★★	★★★	★★★	★★★

# Silicone Hydrophobic Powder (SHP)

**Silicone** hydrophobic powder provides a strong water-repellent effect, preventing liquid water from staying on surfaces and causing damage. This is due to the low surface tension of the methyl or other alkyl groups that face outward after the treatment, making the surface hydrophobic

Benefits

- ★ Outstanding hydrophobic performance
- ★ Water bead effect
- ★ Powder products, easy to use dry mortar
- ★ Good mixing performance
- ★ Good durability, long-term hydrophobicity
- ★ No negative effect on strength
- ★ Environment-friendly

Grade	SYLCOP™50; SYLCOP™50+
Appearance	White, easily flowing Powder
Bulk density	250-400 g/L
Moisture content	≤3%
pH value	10.0-12.0
Recommended dosage	0.15%-0.35%

# Powder Defoamer

The defoamer helps to release the bubbles entrained or generated in the mortar mixing and construction process, improve the compressive strength and improve the surface condition.

Benefits

- ★ It has rapid defoaming and long-lasting cuz sane texr was before in mortar systems.
- ★ By adjusting the dosage ,the size and distribution of bubbles in the mortar system can be optimized, thereby improving the fluidity of the mortar.
- ★ It has good compatibility with different cement-based, gypsum-based cementitious materials, and other additives such as retarder, expansion agent,hardening accelerator.

Grade	DYFOMA™108, DYFOMA™208, DYFOMA™308
Appearance	White Powder
Bulk density	300±100 g/L
Moisture content	≤5%
pH	6-8
Recommended Dosage	0.1-0.3%

# Introduction of Zovae Cellulose Ether (HPMC, MHEC, HEC)

## Introduction to Cellulose Ether

Cellulose ether is a collective term for a range of products generated by reacting cellulose with etherification agents. It can be ionic or non-ionic, and is classified based on the chemical structure of the substituent groups, including methylcellulose, hydroxyethyl methylcellulose, carboxymethyl cellulose, and several other types. Cellulose ether is water-soluble and thermoplastic, capable of dissolving in water, dilute alkali solutions, and organic solvents.

## Key Features of Cellulose Ether

- ★ Good thickening effect, improved consistency
- ★ Excellent water retention, extended working time
- ★ Promote uniform dispersion, improve quality
- ★ Provide lubrication, reduce construction difficulty
- ★ Enhance anti-sagging, prevent
- ★ Improve cohesion, enhance adhesion

## HEC Recommend Table

Grade	Brookfield Viscosity 2%	Brookfield Viscosity 1%	Product Features
Economic Type			
ZE15M		800-1500	Suitable dispersibility, Appropriate thickening effect
ZE30M		1500-2500	
ZE60M		2500-3500	
ZE100M		3500-5000	Good thickening properties
ZE200M		6000-8000	
Biostable Type			
ZE100BE	80-150		As dispersant for emulsion polymerization,
ZE300BE	250-400		As dispersant for paint pigment paste
ZE15MBE		800-1500	Good leveling properties
ZE30MBE		1500-2500	Good pigment paste dispersion properties
ZE60MBE		2500-3500	Excellent comprehensive performance
ZE100MBE		3500-5000	
ZE150MBE		4500-7000	Super strong thickening performance
ZE200MBE		7000-9000	
Hydrophobic Modified Type			
ZMB4M	3000-5000		Good pigment paste dispersion properties
ZMB15M		800-1500	Good dispersibility
ZMB30M		1500-2500	Good suspension stability
ZMB60M		2500-3500	Excellent comprehensive performance
ZMB100M		3500-5000	
ZMEB 7000		6000-8000	Super strong thickening performance
ZMEB 10000		8000-12000	
Composite Reinforced Type			
ZMHE300		200-500	Excellent leveling, anti-splashing, anti sagging
ZMHE900		600-1200	
ZMHE2000		1500-2500	
ZMHE30PX		1500-2500	Used for water-based putty, anti sagging, relatively good construction performance
ZMHE60PX		2500-3500	
ZMHE100PX		3500-5000	
Oil Drilling Type			
ZE100MP		3500-5000	Used for well repair and cementing to reduce mud and help reduce mud moisture loss
ZE100MBEP		3500-5000	For drilling fluid
ZE200MP		5000-10000	For fracturing

## HPMC Recommend Table

Grade	NDJ Viscosity 2%	Brookfield Viscosity 1% or 2%	Tile Adhesive	Self-leveling Compounds	Masonry Mortar	Render,Wall Putty(Cement)	Gypsum based mortar	EIFS	Paints & Coatings	Detergent
Customized type - X, which can be produced according to customer's request										
ZP75KX	75,000-80,000	35,000-40,000	•		•	••				
ZP100KX	85,000-110,000	45,000-60,000	•			••				
ZP200KX	185,000-215,000	65,000-80,000	••			••		•		
Standard type										
ZP400	300-500	300-500		••						
ZP40K	35,000-45,000	20,000-24,000	•		••	•				
ZP75K	75,000-80,000	35,000-40,000			•	••	•			
ZP100K	85,000-110,000	45,000-60,000	•		•	••	••	••		
ZP150K	140,000-160,000	55,000-65,000	••		•	•	•	••		
ZP200K	185,000-215,000	65,000-80,000	••			•	•	••		
Gypsum-Based type - G										
ZP75KG	75,000-80,000	35,000-40,000				•	••			
ZP100KG	85,000-110,000	45,000-60,000				•	••			
ZP150KG	140,000-160,000	55,000-65,000				•	••			
Detergent type - D										
ZP200KD	185,000-215,000	65,000-80,000							•	••
High-End type - L & LA										
ZP40KL	35,000-45,000	20,000-24,000	••		••	•	•			
ZP75KL	75,000-80,000	35,000-40,000	••			••	•			
ZP100KL	85,000-110,000	45,000-60,000	••			••	•			
ZP200KL	185,000-215,000	68,000-75,000	••			•		•		
ZP40KLA	35,000-45,000	20,000-24,000	••		••					
ZP75KLA	75,000-80,000	35,000-40,000	••			••	•			

Note: ZP - HPMC, K - 1000, X - Customized Type, G - Gypsum Based, D - Detergent, L - Longer open time, high water retention, A - Anti Slipping



HEMC Recommend Table

Grade	NDJ Viscosity 2%	Brookfield Viscosity 1% or 2%	Tile Adhesive	Tile Grout	Masonry Mortar	Render,Wall Putty(Cement)	Gypsum based mortar	EIFS	Paints & Coatings	Detergent
Customized type - X which can be produced according to customer's request										
ZM80KX	78,000-80,000	35,000-40,000	•		•	••				
ZM100KX	85,000-110,000	45,000-60,000	•			••				
ZM200KX	185,000-215,000	65,000-80,000	••			•		•		
Standard type										
ZM40K	35,000-45,000	20,000-24,000	•	••	••	•				
ZM80K	78,000-85,000	35,000-40,000		•	•	••	•			
ZM100K	85,000-110,000	45,000-60,000	••	•	•	••	••	••	••	
ZM200K	185,000-215,000	65,000-80,000	••			•		••		
Painting type-Surface treated , dissolved in cold water										
ZM100KS	85,000-110,000	45,000-60,000				•			••	
ZM150KS	140,000-160,000	55,000-65,000	•						••	
Gypsum-Based type - G										
ZM80KG	75,000-80,000	35,000-40,000				••	••			
ZM100KG	85,000-110,000	45,000-60,000				••	••			
ZM150KG	140,000-160,000	55,000-65,000				••	••			
High-End type - L & LA										
ZM40KL	35,000-45,000	20,000-24,000	••	••	••	••	•			
ZM80KL	78,000-85,000	35,000-40,000	••	•		••	•			
ZM100KL	85,000-110,000	45,000-60,000	••			••	•	•		
ZM200KL	185,000-215,000	65,000-80,000	••			••		•		
ZM40KLA	35,000-45,000	20,000-24,000	••		••					
ZM200K	75,000-80,000	35,000-40,000	••			••	•			

Note: ZM - HEMC, K-1000, x - Customized Type, s - surface Treated, G - Gypsum Based, D - Detergent, L - longer open time, high water retention, A - Anti Slipping

Tile Adhesive

Zovae RDP & Cellulose ether products significantly enhance the performance of tile adhesives. They increase the open time, reduce sagging, improve adhesive strength, and enhance anti-slip properties, leading to overall better physical characteristics.



Benefits

- ★ Improved Flexibility: RDP imparts flexibility to the adhesive, reducing the risk of cracking or delamination, especially in areas with movement or thermal fluctuations.
- ★ Increased Open Time: RDP extends the open time of the adhesive, allowing for easier application and adjustment.
- ★ Improved Sag Resistance: RDP helps prevent the adhesive from sagging, ensuring a more even and controlled application.
- ★ Improved Adhesion: Cellulose ether enhances the adhesive's bond strength to various substrates, ensuring a secure and durable tile installation.



Selection Guide

Cellulose Ether

Grade		Benefits
HPMC	HEMC	
ZP200KX	ZM200KX	Customized Type, Good adhesion, high viscosity
ZP150K	ZM100K	Good water retention; Good general performance; Good workability wide range of applications
ZP200K	ZM200K	
ZP40KL	ZM40KL	High water retention; Enhanced open time; Good slip resistance
ZP75KL	ZM80KL	
ZP100KL	ZM100KL	
ZP200KL	ZM200KL	High water retention; Enhanced open time; Improved slip resistance; Outstanding comprehensive performance
ZP40KLA	ZM80KLA	
ZP75KLA	ZM100KLA	

Redispersible Polymer Powder (RDP)

	Rigid	Semi-flexible	Flexible
Grade	ZW5115N ZW5018 N ZW6011N	ZW5026N ZW6028N	ZW6045N ZW6048N

# Wall Putty/Skim Coat (Cement-Based)

**Zovae** RDP & Cellulose are commonly used additives in cement-based skim coats, enhancing their workability and application properties.

### | Benefits

- ★ Improved Flexibility: RDP imparts flexibility to the putty, reducing the risk of cracking or crazing, especially in areas prone to movement or thermal fluctuations.
- ★ Enhanced Water Resistance: RDP increases the putty's resistance to water penetration, making it suitable for both indoor and outdoor applications.
- ★ Improved Workability: RDP enhances the putty's workability, making it easier to apply and smooth.
- ★ Reduced Shrinkage: RDP helps minimize shrinkage during the drying and curing process, reducing the likelihood of cracks or defects.
- ★ Thickening: Cellulose ether increases the viscosity of the mortar, improving its consistency and reducing sagging.
- ★ Improved Adhesion: Cellulose ether enhances the mortar's adhesion to the substrate, ensuring a strong and durable bond.
- ★ Water Retention: Cellulose ether helps retain moisture in the putty, promoting better curing and setting
- ★ Reduced Shrinkage: Cellulose ether can help minimize shrinkage during the drying process, reducing the risk of cracks or defects.



### | Selection Guide

#### Cellulose Ether

Grade		Benefits
HPMC	HEMC	
ZP75KX	ZM80KX	Customized Type ,Good adhesion,high viscosity
ZP100KX	ZM100KX	
ZP200KX		
ZP75K	ZM80K	Good water retention; Good general performance; Good workability wide range of applicationsl
ZP100K	ZM100K	
ZP75KL		High water retention; Enhanced open time; Good slip resistance
ZP100KL		
ZP75KLA		High water retention; Enhanced open time; Improved slip resistance; Excellent workability

#### Redispersible Polymer Powder (RDP)

Grade	Rigid	Semi-flexible	Flexible	Hydrophobic Type
Product Number	ZW5018N ZW5115N ZW6011N	ZW5026N ZW6028N	ZW6045N ZW6048N	ZW9032H ZW9035H

# Gypsum-Based Mortar

Cellulose ether and Redispersible Polymer Powders (RDP) are crucial components in gypsum applications. Cellulose ether enhance workability and performance by retaining moisture and preventing cracking. RDP, produced from polymer dispersions, improves adhesion, flexibility, and durability. These additives optimize gypsum-based products for diverse construction needs, offering superior flow properties and overall performance.

### | Benefits

- ★ Improved Flexibility: RDP imparts flexibility to the mortar, reducing the risk of cracking or crazing, especially in areas prone to movement or thermal fluctuations.
- ★ Enhanced Water Resistance: RDP increases the mortar's resistance to water penetration, making it suitable for both indoor and outdoor applications.
- ★ Improved Workability: RDP enhances the mortar's workability, making it easier to apply and smooth.
- ★ Reduced Shrinkage: RDP helps minimize shrinkage during the drying and curing process, reducing the likelihood of cracks or defects.
- ★ Thickening: Cellulose ether increase the viscosity of the mortar, improving its consistency and reducing sagging.
- ★ Improved Adhesion: Cellulose ether enhance the mortar's adhesion to the substrate, ensuring a strong and durable bond.
- ★ Water Retention: Cellulose ether help retain moisture in the mortar, promoting better curing and setting.
- ★ Reduced Shrinkage: Cellulose ether can help minimize shrinkage during the drying process, reducing the risk of cracks or defects.



### | Selection Guide

#### Cellulose Ether

Grade		Benefits
HPMC	HEMC	
ZP75K	ZM80K	Good water retention; Good general performance; Good workability wide range of applications
ZP100K	ZM100K	
ZP150K		
ZP75KG		High water retention; Enhanced open time; Good slip resistance
ZP100KG		
ZP150KG		

#### Redispersible Polymer Powder (RDP)

Grade	Semi-flexible	Hydrophobic Type
Product Number	ZW5026N ZW6028N	ZW9032H ZW9035H





## Cement & Lime-based Render/Plaster

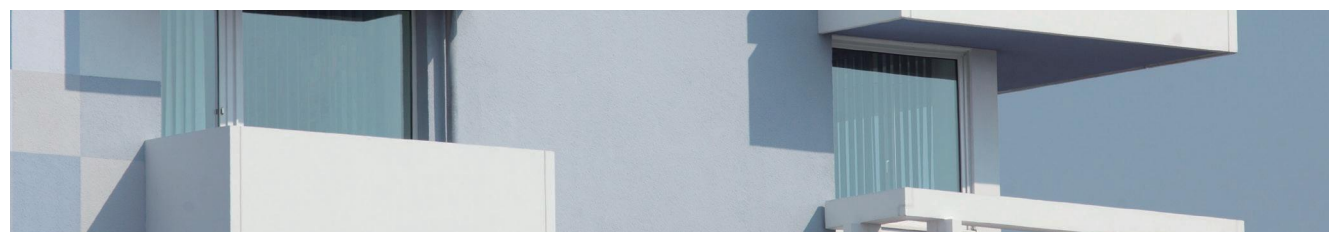
**Zovae** products enhance the performance of renders, improving their ease of application, bonding strength, flexibility, and durability. Our specialized additives can also provide additional benefits such as water repellency, thixotropic behavior, and reduced efflorescence.

### | Key Features of Cellulose Ether & RDP

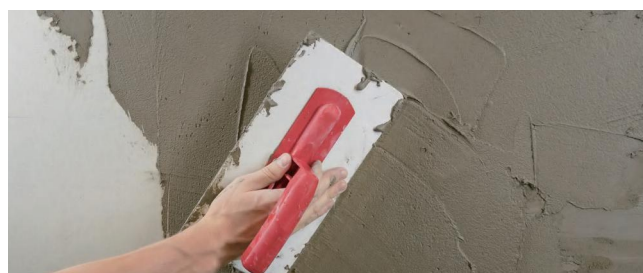
- ★ Improved Flexibility: RDP imparts flexibility to the render/plaster, reducing the risk of cracking or crazing, especially in areas prone to movement or thermal fluctuations.
- ★ Enhanced Water Resistance: RDP increases the render/plaster's resistance to water penetration, making it suitable for both indoor and outdoor applications.
- ★ Improved Workability: RDP enhances the render/plaster's workability, making it easier to apply and smooth out.
- ★ Reduced Shrinkage: RDP helps minimize shrinkage during the drying and curing process, reducing the likelihood of cracks or defects.

### | Cellulose Ether Benefits

- ★ Thickening: Cellulose ether increase the viscosity of the render/plaster, improving its consistency and reducing sagging.
- ★ Improved Adhesion: Cellulose ether enhance the render/plaster's adhesion to the substrate, ensuring a strong and durable bond.
- ★ Water Retention: Cellulose ether help retain moisture in the render/plaster, promoting better curing and setting.
- ★ Reduced Shrinkage: Cellulose ether can help minimize shrinkage during the drying process, reducing the risk of cracks or defects.



### Selection Guide



#### Cellulose Ether

Grade		Benefits
HPMC	HEMC	
ZP75K	ZM80K	
ZP100K	ZM100K	
ZP150K	ZM150K	Good water retention; Good general performance; Good workability

#### Redispersible Polymer Powder (RDP)

Grade	Rigid	Semi-flexible	Flexible	Hydrophobic Type
Product Number	ZW5115N	ZW5026N	ZW6045N	ZW9032H

## Here Self-Leveling

**Zovae** Cellulose ether and RDP products enhance the flow properties and application ease of various flooring formulations, resulting in smoother, defect-free finishes.

### | Key Features of HPMC & RDP

- ★ Enhances the bond between self-leveling and the surface.
- ★ Adds strength and durability to the self-leveling layer.
- ★ Helps prevent cracks by improving the compound's elasticity.
- ★ Makes the mortar easier to spread and apply.
- ★ Control the viscosity ,enable easy pouring ,spreading

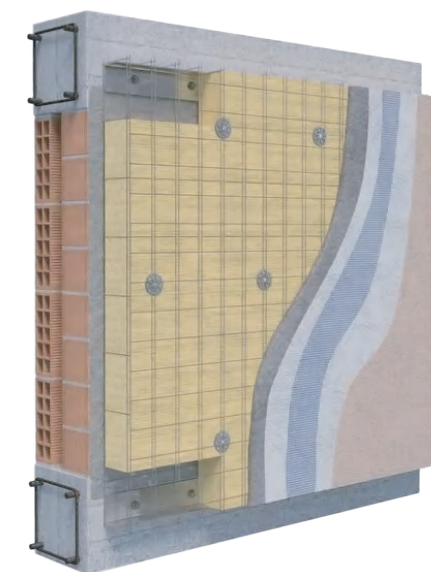
### | Selection Guide

HPMC	RDP		
ZP400	ZW5018N	ZW5115N	ZW6111L

## EIFS (Exterior Insulation and Finish System)

Zovae Cellulose and RDP act as construction-grade powder additives, enhancing water retention and viscosity in EIFS, and ensuring effective performance in various applications.

They can help enhance strength and flexibility for your exterior insulation and finishing system. When combined with our high-quality cellulose ethers,RDP help you achieve superior anti-sagging effects.



### | Selection Guide

#### Cellulose Ether

Grade		Benefits
HPMC	HEMC	
ZP75K	ZM80K	
ZP100K	ZM100K	
ZP150K	ZM150K	Good water retention; Good general performance; Good workability wide range of applicationsl

#### Redispersible Polymer Powder (RDP)

Grade	Rigid	Semi-flexible	Flexible	Hydrophobic Type
Product Number	ZW5115N	ZW6028N	ZW6045N	ZW9032H

## Detergent & Personal Care

**Zovae** cellulose ether, a component in detergents, functions as a thickening agent, emulsifier, stabilizer, suspending agent, and moisturizer in everyday household products.

### | Key Features of HPMC

- ★ **Thickening Agent:** It increases the viscosity of the detergent, giving it a thicker, more luxurious feel and improving its cleaning power.
- ★ **Emulsifier:** Cellulose ether helps to disperse oil and grease in water, enhancing the detergent's ability to remove stains and dirt.
- ★ **Stabilizer:** It prevents the separation of detergent components, ensuring a consistent and effective product.
- ★ **Suspending Agent:** Cellulose ether helps to keep insoluble particles, such as dirt and debris, suspended in the detergent, preventing them from settling and clogging the washing machine.
- ★ **Moisturizer:** In some cases, cellulose ether can provide a moisturizing effect on fabrics, helping to maintain their

softness and texture.

- ★ **Improved Cleaning Performance:** By combining these properties, cellulose ether contributes to overall improved cleaning performance and stain removal in detergents.



### | Selection Guide

Grade	HPMC ZP200KD
Performance	Good transparency; Good dispersion; Good compatibility

## Oil Drilling

Zovae HEC can thicken drilling fluids, making them better at transporting rock cuttings to the surface. This improves drilling efficiency and productivity, leading to increased oil or gas production.

### | Key Features of HEC

- ★ **Water-soluble and stable:** HEC is soluble in both hot and cold water and remains stable at high temperatures.
- ★ **Versatile thickener:** It thickens various solutions, even those with high electrolyte concentrations.
- ★ **Excellent water retention:** HEC retains water effectively, making it ideal for applications requiring moisture control.

### | Selection Guide

Product	Grade	Benefits
HEC	ZE100MP	Used for well repair and cementing to reduce mud and help reduce mud moisture loss
	ZE100MBEP	For drilling fluid
	ZE200MP	For fracturing

## Paints and Coatings

**Zovae** HEC is a popular thickener for both indoor and outdoor water-based paints. It's commonly used in exterior latex paints and works well with various paint ingredients.

### | Benefits



Grade	Brookfield viscosity 2%	Brookfield viscosity 1%	Benefits
ZE100BE	80-150		As dispersant for emulsion polymerization, As dispersant for paint pigment paste
ZE300BE	250-400		
ZE15MBE		800-1500	Good leveling properties Good pigment paste dispersion properties
ZE30MBE		1500-2500	
ZE60MBE		2500-3500	Excellent comprehensive performance
ZE100MBE		3500-5000	
ZE150MBE		4500-7000	Super strong thickening performance
ZE200MBE		7000-9000	