



Hubei Qiandao New Materials Co., Ltd.

WATER REDUCER

2026

PRODUCT CATALOG

WATER REDUCER SOLUTIONS
FOR MODERN CONSTRUCTION

10+ Years in Construction Materials





WATER REDUCER

High Performance Admixture

High Strength | Improved Workability | Durable Performance

Our water reducers are high-efficiency concrete admixtures designed to significantly improve the workability, strength, and durability of concrete while reducing water consumption. They are widely applied in: Ready-mix concrete, Precast concrete, High-performance concrete, Infrastructure and commercial construction projects



PRODUCT ADVANTAGES



Water Reduction

Reduces water content by approximately 15-30%, improving concrete compactness



High Performance

Enhances concrete strength, workability, durability, and overall construction efficiency.



Environment Friendly

Low chloride, non-toxic formulation that supports sustainable and green construction practices.



Wide Application

Compatible with various concrete formulations and construction

PRODUCT TYPES



Naphthalene-based Superplasticizer (SNF)



Polycarboxylate Superplasticizer (PCE)

PACKAGING & STORAGE



PACKAGING

200 kg / Drum
1000 kg / IBC Tank
Customized packaging available



STORAGE

Store in a cool and dry environment. Avoid direct sunlight.



Shelf Life

12 months in original unopened packaging.

PRODUCT DESCRIPTION

Our water reducer series includes different product categories to meet diverse engineering requirements:

Polycarboxylate Superplasticizer (PCE)

Naphthalene-based Superplasticizer (SNF)

Customized solutions are available according to project specifications and performance targets.



APPLICATIONS



 Industrial Floors



 Tunnels



 Bridges



 Hydraulic Structures



 Precast Components



 Onshore Wind Power

TECHNICAL DATA

Performance Item	SY-PA Type Polycarboxylate High Performance Superplasticizer	Ultra-Early-Strength & High-Dispersion Polycarboxylate Superplasticizer
Recommended Dosage (by mass of cementitious materials)	Powder: 0.16% ~ 0.3% Liquid: 0.8% ~ 2.0%(Optimal dosage subject to on-site tests)	Not specified (Refer to on-site tests for optimal dosage)
Water Reduction Rate	≥ 25% (Higher dosage leads to higher water reduction rate)	≥ 45%
Compressive Strength Ratio	1d ≥ 270% 3d ≥ 200% 7d ≥ 170% 28d ≥ 150%	1d ≥ 270% 3d ≥ 200% 7d ≥ 170% 28d ≥ 150%
Key Performance Advantages	1. Excellent early-strength and strength-enhancing effects 2. Good compatibility with various cements and admixtures 3. Low slump loss & high plasticizing performance 4. Enables high-quality fluidized concrete with good pumpability 5. Chloride-free, no corrosion to steel bars 6. Improves concrete impermeability, reduces shrinkage, and enhances durability	1. Ultra-early-strength performance 2. Steam curing-free 3. Demoulding time ≤ 12h 4. Demoulding strength ≥ 30MPa



Performance Item	FDN-I A highly efficient water-reducing agent	FDN-II A slow-setting, high-efficiency water-reducing agent
Recommended Dosage (by mass of cementitious materials)	Powder: 0.5% ~ 1.0% Liquid: 1.5% ~ 3.0%	0.55% ~ 1.5%
Water Reduction Rate	15% ~ 25%	≥ 15%
Setting Time Difference (Initial / Final)	-90min ~ +120min	Customizable Based on Project Needs
Air Content	≤ 3.0%	≤ 4.5%
28d Shrinkage Ratio	≤ 135%	≤ 135%
Compressive Strength Ratio	3d ≥ 130%; 7d ≥ 125% 28d ≥ 120%	
Slump Performance & Comprehensive Performance	Slump increases by 10 ~ 20 cm; no bleeding, no segregation; greatly improves construction workability. Low dosage & high strength; cement saving 10% ~ 20%; optimize hardened concrete structure; significantly improve impermeability, frost resistance, corrosion resistance and durability	High efficiency in slump retention, particularly suitable for ready-mixed concrete requiring stringent slump control.

OUR FACTORY





More information on building materials:

WE ARE QIANDAO

Hubei Qiandao New Materials Co., Ltd. is a high-tech enterprise integrating R&D, production, sales, and service. It is dedicated to providing professional concrete admixture application solutions, waterproofing solutions, and PC connection solutions for the construction industry, with a nationwide sales and service network. Its main products include UHPC, steel fibers, grouting sleeves, grouting materials, and concrete admixtures, which are widely used in concrete engineering, waterproofing, and prefabricated building projects. The company holds over 60 patents, has obtained three major certifications: the ISO 9001, ISO 14001, and ISO 45001.



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