



Redispersible Polymer Powder (RDP)

WOTAICHEM RDP is a versatile dispersible polymer powder for dry-mix mortars.



If you are looking for RDP for

Tile/EIFS adhesives/Skim coat/Waterproofing mortars/Self-levelling compounds/Repair Mortars.

'N' Series is ideal for tile adhesives and putty, based on a vinyl acetate and ethylene copolymer, offering neutral rheological characteristics for essential bonding strength, flexibility, and formulation freedom.

'H' Series functions as a base material and hydrophobic agent. Its specialized chemical composition and production process make mortars modified with this hydrophobic resin exhibit broad and enduring water repellency in alkaline building materials, while also significantly reducing water absorption.

Ultra-bonding Grade '+E' Series offers excellent abrasion and pressure resistance, ideal for self-leveling mortar, enhancing flowability and extending material lifespan.

Ultra-plastering Grade '+E' Series provides increased flexibility and water resistance strength, serving as an enhanced option for finishing applications.

Specification Table - Premium Grade:

Note: VAc: Vinyl Acetate +E: Ethylene ★ Fair ★★ Good ★★★ Excellent

Note	Grades	Flexibility	Hydrophobic	MFFT(°C)	TG(°C)	Polymer	Application
General Grade	T-5046N	Semi-Flexible		0	0-3	VAc-E	Neutral rheological for flexibility in application and formulation. Suitable for all drymix mortar applications
	T-5043N	Semi-Flexible		0	0-3	VAc-E	
Bonding Grade	T-5040N	Hard		0	5-8	VAc-E	Suitable for all drymix mortar applications, especially for tile adhesive bonding strength
	T-5041N	Hard		0	5-8	VAc-E	
Ultra-bonding Grade	T-5010E	Ultra-Hard		0	12-15	VAc-E	Self-leveling for anti-abrasion performance.
	T-5011E	Ultra-Hard		0	12-15	VAc-E	
Plastering Grade	T-5045N	Flexible		0	-3~-5	VAc-E	Perfect flexibility performance for tile adhesive C2TES1 and offer great elasticity in Wall putty
	T-5048N	Flexible		0	-3~-5	VAc-E	
Ultra-plastering Grade	T-5042E	Ultra-Flexible		0	-8	VAc-E	Enhanced flexibility performance for tile adhesive C2TES2.
	T-5047E	Ultra-Flexible		0	-8	VAc-E	
waterproof Grade	T-7032H	Semi-Flexible	★★	0	0-3	VAc-E	Water-proofing mortars.
	T-8034H	Flexible	★★★	0	-5	VAc-E	
	T-8033H	Ultra-Flexible	★★★	0	-8	VAc-E	

Specification Table - Standard Grade:

Note	Grades	Flexibility	MFFT(°C)	TG(°C)	Polymer	Ash Content
Your cost-effective choice!	T-5012N	Flexible	0	-3~-5	VAc-E	15±2
	W-4116N	Semi-Flexible	0	0-3	VAc-E	15±2
	W-4032N	Hard	0	5-8	VAc-E	15±2

RDP

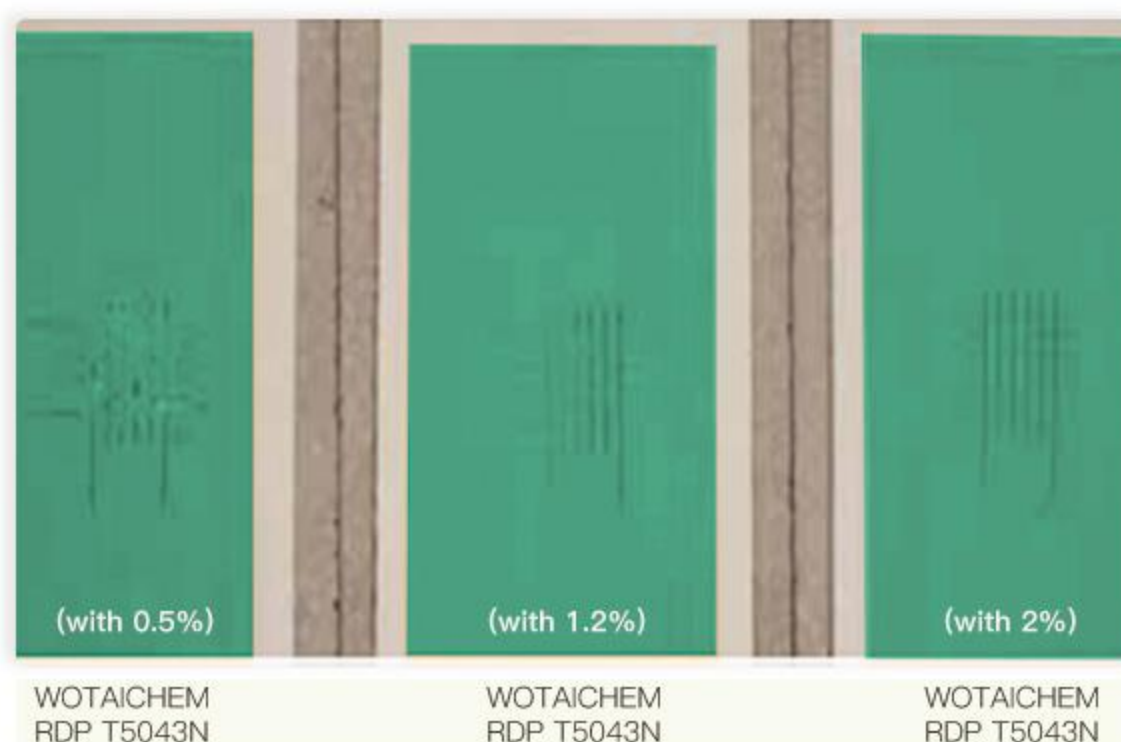
Specification Table - Affordable Grade:

Note	Grades	Flexibility	MFFT(°C)	TG(°C)	Polymer
Bonding Grade	W-4034N	Hard	0	5-8	VAc-E
	W-4033N	Hard	0	5-8	VAc-E
Plastering Grade	W-4023N	Flexible	0	-3~ -5	VAc-E
	W-4024N	Flexible	0	-3~ -5	VAc-E
General Grade	W-4113N	Semi-Flexible	0	0-3	VAc-E
	W-4112N	Semi-Flexible	0	0-3	VAc-E

Performance:

WOTAICHEM General Grade enhances adhesion, flexural strength, plasticity, abrasion resistance, and workability of quenched and tempered materials without affecting flowability, thixotropy, or water retention. It seamlessly combines with other mortar additives, offering a versatile solution to boost specific construction properties and overall mortar performance.

WOTAICHEM Plastering Grade is designed for use in the low glass transition temperature (Tg) range, making it particularly suitable for formulating high-strength materials such as C2TES2. With a low glass transition temperature, it exhibits excellent flexibility, making it especially well-suited for applications with high flexibility requirements or bonding to organic interfaces even under freeze-thaw cycles.



WOTAICHEM RDP offers:



Enhanced flexibility and crack resistance in mortar



Reduced water absorption rate in mortar



Excellent workability during construction



Improved water resistance of mortar



Increased bonding strength with insulation materials



Flexibility for formulation freedom

Experience superior performance in dry-mix mortars with WOTAICHEM RDP, where flexibility, water resistance, and bonding strength come together to meet the demands of various construction scenarios.

Storage:

Handle WOTAICHEM RDP with care due to its thermoplastic nature, avoiding high temperatures and compression to prevent clumping. Maximum of 12 months from the manufacturing date. Moisture precautions are necessary for these mixtures.



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