

Construction Chemicals for Dry Mortar Additives - Sidley Chemical Co.,Ltd

Product Family	Name	Type	Spec	Recommended Applications	Benchmarking products	Features
1- Water Retention& Thickener-Methyl Cellulose	Tile Adhesive	MP-E06N02	60000-70000Cps	Ordinary mortar/tile adhesive(C0)	/	Meets the basic needs of mortar for water retention and thickening. Economical product.
		EMP-05M02	50000-60000Cps		/	
		MP-E04M02	40000-50000Cps		/	
		MP-15M02	50000-60000Cps	Standard Tile Cement(C1T)	/	Excellent thickening performance and superior water retention deliver outstanding mortar strength
		ME-H14N02	40000-50000Cps		WALOCEL™ MW40000 PFV / Bermocoll M 70	
		ME-H14N20	40000-50000Cps		COMBIZEL LH40M	
		ME-H12N12	20000-30000Cps	High Performance Tile Cement(C2TE)	MECELLOSE HIEND 3001	Low viscosity and high water retention delay open time while enhancing mortar strength
		ME-10N02	4000-8000Cps		/	
	Cement Plaster	MP-01H01	10000-20000Cps	Machine-sprayed cement plaster	/	Rapid thickening and anti-sagging, easy to scrape and spread, suitable for machine spraying.
		MP-02M03	20000-30000Cps	Hand-applied cement plaster	/	Low viscosity, suitable for plastering mortar, easy to apply, and excellent water retention.
	Gypsum Based Plaster	EMP-22M22	20000-30000Cps	Hand Plaster / Machine-sprayed Plaster	WALOCEL™ MKX 15000 PF 01	Excellent thickening performance and anti-slip performance
		ME-H22H02	20000-30000Cps		/	
		GME-H22H33	20000-30000Cps		MECELLOSE FMC 74016	Super water retention for smoother application and resistance to repeated scraping
		GME-H25N00	50000-60000Cps		Mecellose EMA 70U	
	Gypsum Based Putty	ME-H23M06	30000-40000Cps	Wall Putty Gypsum based	Walocel Xtra 60-30	Exceptional water retention, excellent workability
		ME-H22M07	20000-30000Cps		Tylose MH 60010 P4	

	External Wall Insulation(EIFS)	ME-32N01	20000-30000Cps	Finished mortar	/	Superior water retention, higher mortar strength
		ME-34N02	40000-50000Cps	Bonding mortar	/	High temperature resistance, Better workability
		ME-36M10	60000-70000Cps	EPS particle slurry	/	Good thermal insulation particle(wrapping, smooth construction
	Skim Coat/ Wall Putty	ME-H43M06	30000-40000Cps	Skim Coat/Wall Putty	WALOCEL™ MKX 25000PF25L	Exceptional water retention, excellent workability
		ME-H44N05	40000-50000Cps		WALOCEL™ MKX45000 PP10	
	Self-levelling/ Grouting mortar	MP-50N00	400Cps	Self-leveling mortar	WALOCEL™ 400	Excellent fluidity, good water retention, good suspension
		MP-51N07	10000-20000Cps	Grouting material	/	Good fluidity, good suspension, suitable for grouting material
2,Polymer	Redispersible Polymer Powder(RDP)	RDP-7053	Tg : 3℃	Tile adhesive	Wacker VINNAPAS 4115 N	At low admixture ratios (5-15Kg), tile adhesive exhibits excellent water resistance.
		RDP-7028	Tg : 3℃	Tile adhesive	/	Outstanding bonding strength and exceptional cost-effectiveness
		RDP-7035H	Tg : 3℃	Waterproof mortar, Joint filler	VINNAPAS 8034 H	Excellent water repellency combined with superior bonding performance
		RDP-86353	Tg : -10℃	External Wall Insulation(EIFS)	VINNAPAS 5044 N	Excellent flexibility
		RDP-66153	Tg : 12℃	Tile adhesive (C1,C2)/ Bonding mortar	Elotex 2350	Excellent high-temperature resistance
		RDP-66143	Tg : 10℃		VINNAPAS 5010N	Excellent water resistance, high tensile strength
3-Accelerators	Calcium formate	SG98	Small granule	Tile adhesive	/	White crystalline granules with good fluidity and no tendency to form caking. Higher purity, better early strength
		BG98	Big granule		/	
	Nano-enhancer	HS-93	Powder		/	Enhance mortar density and improve tile adhesive water resistance
4-Retarders	Tartaric acid	TA-L100	Powder	Self-leveling mortar /Plaster	/	Retarding effect is better under high temperature conditions
	Modified Amino Acids	GR-50	Powder	Gypsum-based products	/	Low content, suitable for low-speed mixers
		GR-70	Powder		PlastRetard-PE L	High retardation effect, high content, low addition,Shorter time between initial and final coagulation
		GR-90	Powder		SIKA Retardan 200P	Super-high retardation effect, high content, low addition,Shorter time between initial and final coagulation

		LGR-40	Liquid	Plasterboard	PlastRetard-PE L	Liquid retarder, easier to use
5-Water repellent agents	Silicone Hydrophobic Powder	WS-80	Powder	Waterproof mortar, Joint filler	/	Good waterproofing effect and better dispersibility
		WS-90	Powder		Wacker Powder D/Elotex Seal80	High content of silane-based water repellent, Excellent water repellent performance
	Silicone oil	LWS-940	Liquid	Plasterboard/Bricklaying	/	Suitable for moisture-resistant plasterboard
6-Air entraining agents	Sodium Lauryl Sulfate	A-111	Powder	Wall putty/Plaster	/	Small, dense bubbles
	Sodium α -olefin sulfonate	A-120	Powder		/	More air entrainment, less usage
	Complex air entraining agent	A-180	Powder		Clariant-Hostapur OSB	Introduces uniform and fine foaming, stable foam, and smoother working performance.
7-Foaming agents	Gypsum foaming agent	LWC-10	Liquid	Plasterboard	Basf Vinapor GYp 3110	Good foaming effect, Small bubble
		LWC-30	Liquid		Basf Vinapor GYp 3710	Good foaming effect, Medium bubble
		LWC-50	Liquid		Vinapor GYp 2620	Better foaming effect, Big bubble
8-Defoamers	Silicone/polyether	D-130	Powder	Universal type	AGITAN-P803、P841	Good defoaming effect, good foam suppression, less oil floating
		D-140	Powder	High-efficiency	/	Good adaptability, less oil floating
		D-150	Powder	Low-temperature resistant	/	Strong defoaming ability at low temperatures
9-Enhanced anti-cracking materials	Polypropylene fibres	PPCF	3,6,9,12,15,18mm	Anti-cracking mortar	/	Anti-cracking mortar, improves the flexibility and other properties of the mortar
	Nature Cellulose /Powdered cellulose	LW-500	White Fiber	Tile Adhesive/Putty	JRS PWC500	Improves workability and reduces mortar cracking
		LG-500	Gray Fiber		JRS ZZC500	Improves workability and reduces mortar cracking
10-Starch ethers	Hydroxypropyl starch	SE-301	Tapioca starch	Tile Adhesive	STARVIS SE 25 F	Improves the workability of the mortar and increases its anti-slip properties
		SE-302	Potato starch		STARVIS SE 35 F	High viscosity, high anti-sagging properties, good thickening properties
		SE-501	Tapioca starch	Wall Putty	/	Low viscosity, good thickening properties, improves the smoothness of wall putty
	Hydroxyethyl starch	SE-801	Potato starch	Plaster	STARVIS SE 45 F	High viscosity, good thickening properties, improves the smoothness of plastering

	Hydroxyethyl starch	SE-802	Potato starch	Plaster	Avebe CASUCOL 301	High viscosity, good thickening properties, improves the smoothness of plastering
	Pre-gelatinised starch	PTS-80	Tapioca starch	Mortar/putty	/	High viscosity, improves mortar adhesion
		PCS-30	Corn starch	Interior wall putty	/	Improves the surface strength of the wall putty
11-Protective colloid/binders	Polyvinyl alcohol	PVA-0588G	Granule	Protective colloid	/	More stable viscosity, less foam, suitable for emulsion synthesis
		PVA-1788P	Powder	Interior wall putty	/	Low viscosity, improves smoothness, higher surface strength
		PVA-2488P	Powder	Plaster Mortar	/	High viscosity, increases mortar thickening, improves bond strength
12-Powder water reducers	Melamine superplasticizer	SMF-10P	Powder	Fair-faced concrete/putty	BASF Melment® F 10	No air-entraining effect, improves the surface compactness of mortar/putty
	Polycarboxylate Superplasticizer	PCE-802P	Powder	Self-leveling mortar	SIKA 530P	Good fluidity, high water reduction rate, Better encapsulation, more balanced performance
		PCE-803P	Powder	Self-leveling mortar	SIKA 540P/BASF 2651F	Excellent fluidity, Higher water reduction rate, insensitive to materials
		PCE-104P	Powder	Gypsum-based products	/	Suitable for gypsum/cement composite systems, insensitive to materials, ultra-high water reduction rate
		PCE-906P	Powder	Grouting material/UHPC	/	Ultra-high water reduction rate, suitable for cement-based material with low water-to-cement ratio
13-Thixotropic/suspending agents	Bentonite	Thixo-319	Powder	Wall Putty	/	Improves workability and makes it smoother
	Suspension Stability	Thixo-419	Powder	Self-leveling mortar	/	Superior suspension properties enhance the surface strength of self-leveling mortar.
	Aluminium magnesium silicate	Thixo-519	Powder	Wall Putty	/	Improves workability and makes it smoother
14-Lithium salt coagulants	Lithium Carbonate	Cl-99P	Powder	Self-leveling mortar	/	Reduces the setting time of self-leveling mortar without affecting strength
	Complex coagulant	Px-95	Powder	Self-leveling mortar	/	Substitutes lithium carbonate; excellent for both early and late strength of mortar
15-Powdered Shrinkage Reducing	Shrinkage Reducing	SR-100P	Powder	Grouting material	Evonik SITREN® PSR 100	Slows down the hydration reaction during the plasticizing stage of the mortar, thereby reducing shrinkage cracking

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