

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

Product Family	Name	Type	Code	Spec	Applications	Benchmarking products	Features
1- Water Retention& Thickener	Economy	MP-H07N00	SD0023	70000-80000	Ordinary mortar/tile adhesive	Mecellose EMA 70U	Meets the basic needs of mortar for water retention and thickening. Economical product.
		MP-E6N02	SD0104	60000-70000			
		EMP-05M02	SD0292	50000-60000			
		MP-E4M02	SD0176	40000-50000			
	Plaster Mortar	MP-01H01	SD0177	10000-20000	Machine-sprayed cement plaster		Rapid thickening and anti-sagging, easy to scrape and spread, suitable for machine spraying.
		MP-02M03	SD0105	20000-30000	Hand-applied cement plaster		Low viscosity, suitable for plastering mortar, easy to apply, and excellent water retention.
	Tile Adhesive	MP-11M04	SD0016	10000-20000	Joint filler		Tile adhesive and grout with good compactness, a glossy mortar surface and water-repellent properties.
		MP-17N02	SD0179	70000-80000	Tile adhesive C1		Ultra-high viscosity, excellent water retention, suitable for C1 tile adhesives, providing good slip resistance
		MP-15M02	SD0046	50000-60000	Tile adhesive C1E		Provides tile adhesives with good wettability and slip resistance
		ME-H14N12	SD0293	40000-50000	Tile adhesive C1TE	WALOCEL™ MKX 40000 PF 01	
		ME-H12N12	SD0065	20000-30000	Tile adhesive C2E	MECELLOSE HiEND 3001/ WALOCEL™ MKX 15000 PF 01	Provides excellent wettability and extended open time of C2E-class tile adhesives
		ME-10N02	SD0230	4000-8000		MECELLOSE HiEND 1001	
	Gypsum-based products	ME-21M04	SD0066	10000-20000	Joint filler	WALOCEL™ MKX 15000 PF 01	Excellent thickening performance and anti-slip performance
		ME-23M13	SD0184	30000-40000			
		ME-21M17	SD0067	10000-20000	Gypsum putty		Super water retention for smoother application and resistance to repeated scraping
		ME-H22M17	SD0068	20000-30000			
		ME-22H51	SD0012	20000-30000		Walocel MKX 15.000 PP 20	Good thickening properties, superior water retention performance

		ME-22H02	SD0015	20000-30000	Machine-sprayed/hand-applied plaster		Better thickening properties, superior water retention performance
		ME-23H31	SD0070	40000-50000			Excellent thickening properties, excellent workability, and exceptional water retention performance
		ME-25H32	SD0069	40000-50000		MECELLOSE FMC74016	Superior thickening properties, excellent workability
	Systems for External Wall Insulation(EIFS)	ME-34N01	SD0071	40000-50000	Bonding mortar		Superior water retention, higher mortar strength
		ME-32N01	SD0010	20000-30000	Finished mortar		High temperature resistance, Better workability
		ME-36M01	SD0140	60000-70000	EPS particle slurry		Good thermal insulation particle(wrapping, smooth construction
	Wall Putty	ME-H43M06	SD0033	30000-40000	Interior and exterior wall putty	WALOCEL™ Xtra 60-50	Excellent water retention and extremely smooth application properties
		ME-H43M07S	SD0035	30000-40000			
		ME-H42M07	SD0036	20000-30000		WALOCEL™ MKX 25000PF25L	
		ME-H44N05	SD0139	40000-50000		WALOCEL™ MKX45000 PP10	
	Self-levelling mortar	MP-50N00	SD0053	400	Self-leveling mortar		Excellent fluidity, good water retention, good suspension
		HE-C300SE	SD0219	250-350	Self-leveling mortar		
		MP-H51N07	SD0054	10000-15000	Grouting material		Good fluidity, good suspension, suitable for grouting material

		RDP-7053	SD0207	Tg : 3°C	Tile adhesive	Wacker VINNAPAS 4115 N	Excellent flexibility and superior bonding performance
		RDP-7028	SD0142	Tg : 3°C	Tile adhesive		Outstanding bonding strength and exceptional cost-effectiveness
		RDP-7033	SD0208	Tg : 3°C	Tile adhesive(EIFS/Wall putty/Plaster		General-purpose product with high cost-effectiveness
		RDP-7035H	SD0209	Tg : 3°C	Waterproof mortar, Joint filler	VINNAPAS 8034 H	Excellent water repellency combined with superior bonding performance
		RDP-6033T	SD0204	Tg : 16°C	Wall putty/Plaster		Low viscosity and improved flowability, enhancing mortar strength and wear resistance
		RDP-7033T	SD0032	Tg : 3°C	Wall putty/Plaster		Good thixotropy, easy to apply, high strength
		RDP-6033F	SD0008	Tg : 16°C	Self-leveling mortar		Better flowability, higher strength

		RDP-86353	SD0205	Tg : -10°C	EIFS	VINNAPAS 5044 N	Excellent flexibility
		RDP-66153	SD0203	Tg : 12°C	Tile adhesive (C1,C2)/ Bonding mortar	Elotex 2350	Water resistance, suitable for insulation systems
		RDP-66143	SD0009	Tg : 10°C		VINNAPAS 5010N	Excellent water resistance, high tensile strength
3-Accelerator	Calcium formate	CaFo-SG98	SD0025	Small granule	Tile adhesive		White crystalline granules with good fluidity and no tendency to form caking. Higher purity, better early strength
		CaFo-BG98	SD0026	Big granule			
4-Retarders	Tartaric acid	TA-L100	SD0027	Powder	Self-leveling mortar		Retarding effect is better under high temperature conditions
	Anhydrous sodium citrate	CA-100P	SD0084	Powder	Plaster		Generally used in combination with other retarders
	Sodium gluconate	SG-100P	SD0085	Powder	Mortar/concrete		Retards the setting of cement without affecting strength
	Modified Amino Acids	GR-50	SD0055	Powder	Gypsum-based products		Low content, suitable for low-speed mixers
		GR-70	SD0266	Powder			High retardation effect, high content, low addition, Shorter time between initial and final coagulation
		GR-90	SD0056	Powder		SIKA Retardan 200P/ PlastRetard-PE	Super-high retardation effect, high content, low addition, Shorter time between initial and final coagulation
		LGR-40	SD0079	Liquid	Plasterboard	PlastRetard-PE L	Liquid retarder, easier to use
5-Water repellent agent	Silicone Hydrophobic Powder	WS-80	SD0024	Powder	Waterproof mortar, Joint filler		Good waterproofing effect and better dispersibility
		WS-90	SD0037	Powder		Wacker Powder D/Elotex Seal80	High content of silane-based water repellent, Excellent water repellent performance
	Silicone oil	LWS-940	SD0057	Liquid	Plasterboard		Suitable for moisture-resistant plasterboard
6-Air entraining agent	Sodium dodecyl sulfate	A-111	SD0028	Powder	Wall putty/Plaster		Small, dense bubbles
	Sodium a-olefin sulfonate	A-120	SD0058	Powder			More air entrainment, less usage
	Complex air entraining agent	A-180	SD0059	Powder		Clariant-HostapurOSB	Introduces uniform and fine foaming, stable foam, and smoother working performance.
7-Foaming agent	Gypsum foaming agent	LWC-10	SD0060	Liquid	Plasterboard	Basf GYP 3110	Good foaming effect, good foam stability, low addition amount
		LWC-30	SD0061	Liquid		Basf GYP 3710	Better foaming effect, good foam stability, low addition amount

8-Defoamer	Silicone/polyether	D-130	SD0029	Powder	Universal type	AGITAN-P803、P841	Good defoaming effect, good foam suppression, less oil floating
		D-140	SD0086	Powder	High-efficiency		Good adaptability, less oil floating
		D-150	SD0087	Powder	Low-temperature resistant		Strong defoaming ability at low temperatures
9-Enhanced anti-cracking materials	Polypropylene fibres	PP-3,6,9,12mm	SD0062	Synthetic fibre	Anti-cracking mortar		Anti-cracking mortar, improves the flexibility and other properties of the mortar
	Lignocellulose/wood fiber	LW-500	SD0064	White Fiber	Tile Adhesive/Putty	JRS PWC500	Improves workability and reduces mortar cracking
		LG-500	SD0063	Gray Fiber		JRS ZZC500	Improves workability and reduces mortar cracking
10-Starch ether	Hydroxypropyl starch	SE-301	SD0187	Tapioca starch	Tile Adhesive	STARVIS SE 25 F	Improves the workability of the mortar and increases its anti-slip properties
		SE-302	SD0188	Potato starch		STARVIS SE 35 F	High viscosity, high anti-sagging properties, good thickening properties
		SE-501	SD0298	Tapioca starch	Wall Putty	Avebe CASUCOL 301	Low viscosity, good thickening properties, improves the smoothness of wall putty
	Hydroxyethyl starch	SE-801	SD0043	Potato starch	Plaster	STARVIS SE 45 F	High viscosity, good thickening properties, improves the smoothness of plastering
	Pre-gelatinised starch	PTS-80	SD0082	Tapioca starch	Mortar/putty		High viscosity, improves mortar adhesion
		PCS-30	SD0083	Corn starch	Interior wall putty		Improves the surface strength of the wall putty
11-Protective colloid/binder	Polyvinyl alcohol	PVA-0588G	SD0072	Granule	Protective colloid		More stable viscosity, less foam, suitable for emulsion synthesis
		PVA-1788P	SD0073	Powder	Interior wall putty		Low viscosity, improves smoothness, higher surface strength
		PVA-2488P	SD0074	Powder	Plaster Mortar		High viscosity, increases mortar thickening, improves bond strength
12-Powder water reducer	Melamine superplasticizer	SMF-10P	SD0075	Powder	Fair-faced concrete/putty	BASF Melment® F 10	No air-entraining effect, improves the surface compactness of mortar/putty
	Naphthalene superplasticizer	SNF-05P	SD0088	Powder	Plasterboard/concrete		Low water reduction rate, insensitive to materials, highly adaptable
		SNF-18P	SD0089	Powder			
		PCE-802P	SD0011	Powder	Self-leveling mortar	SIKA 540P/BASF 2651F	Good fluidity, high water reduction rate, Better encapsulation, more balanced performance
		PCE-803P	SD0243	Powder	Self-leveling mortar		Excellent fluidity, Higher water reduction rate, insensitive to materials

	Polycarboxylate Superplasticizer	PCE-128P	SD0166	Powder	Grouting material		PCE powder for grouting material
		PCE-157P	SD0165	Powder	Grouting material		Highly slump retention, 6-9 hours of ultra long collapse protection time
		PCE-104P	SD0077	Powder	Gypsum-based products		Suitable for gypsum/cement composite systems, insensitive to materials, ultra-high water reduction rate
		PCE-906P	SD0076	Powder	Grouting material/UHPC		Ultra-high water reduction rate, suitable for cement-based material with low water-to-cement ratio
13- Thixotropic/sus pending agent	Bentonite	Thixo-319	SD0080	Powder	Wall Putty		Improves workability and makes it smoother
	Aluminium magnesium silicate	Thixo-519	SD0081	Powder	Wall Putty	BYK 602	Improves workability and makes it smoother
14-Lithium salt coagulant	Lithium carbonate	CL-99P	SD0078	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	SD0021	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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Sidley Chemical Co., Ltd.
No. 209 Yimeng Road, Linyi City,
Shandong Province, China
Phone: (86) 5397576660
Email: sales@sidleychem.com
Website: www.sidleychem.com

