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

Product Family	Name	Type	Code	Spec	Recommended Applications	Benchmarking products	Video	Features
1,Cellulose Ether	Methylhydroxyethyl cellulose (MHEC)/ Hydroxypropyl MethylCellulose (HPMC)	EMP-E04N28	SD000996	40000-50000Cps	C0, C1,Tile adhesive	/		Economical product
		EMP-E14N23	SD000860	40000-50000Cps	C1,Tile adhesive	/		Economical product
		EMP-15N27	SD000995	50000-60000Cps	C1,C2 Tile adhesive	/		Well-balanced performance
		MP-H14N20	SD000829	40000-50000Cps	C1,C2 Tile adhesive	WALOCEL MC 65/ WALOCEL MW40000 PFV		Well-balanced performance, Long open time
		ME-H14N30	SD000990	40000-50000Cps	C2TES1/S2, TIle adhesive	/		Imparts excellent open time to tile adhesive(C2TES1/S2)
		MP-H12M31	SD000970	20000-30000Cps	Cement Based Machine Plaster, Tile adhesive	Tylose MH 60004 P6 WALOCEL MKS 20000 PP30		Good adhesion, excellent Anti-sagging
		MP-H12N19	SD000057	20000-30000Cps	C1,C2 Tile adhesive	/		Imparting superior wetting properties and strength to tile adhesive.
		ME-H10M04	SD000975	6000-9000Cps	Tile grout / Joint filler	Tylose MH 6000 YP4 Walocel MW 6000 PFV		Easy workability, high strength
		EMP-H23M22	SD000608	30000-40000Cps	Gypsum Based Machine Plaster/ Hand Plaster	/		Excellent thickening and water-retention properties; dosage can be controlled linearly.
		KMP-H44N05	SD000853	40000-50000Cps	Cement Based Wall Putty	WALOCEL MKX45000 PP10		Exceptional water retention and excellent workability
		EMP-04N26	SD000963	40000-50000Cps	Wall Putty / Tile adhesive	/		General-purpose, economical product; suitable for putty and tile adhesive.
		MP-50N00	SD000068	300-450Cps	Self-leveling mortar / Grouting material	/		Good fluidity, good suspension
		EMP-51N07	SD000553	10000-20000Cps		/		Economical product
		RDP-7053	SD000047	Tg : 3°c	Tile adhesive	VINNAPAS 4115 N		Well-balanced performance

2,Polymer	Redispersible Polymer Powder(RDP)	RDP-7028	SD000046	Tg : 3°c	Tile adhesive	/		Economical product
		RDP-7035H	SD000050	Tg : 3°c	Waterproof mortar, Joint filler	VINNAPAS 8034 H		Excellent water resistance
		RDP-86353	SD000044	Tg : -10°c	External Wall Insulation(EIFS/ETICS)	VINNAPAS 5044 N		Excellent flexibility
		RDP-61053	SD000896	Tg : 16°c	Tile adhesive	Elotex 60W		Exceptionally high bonding strength
		RDP-66153	SD000049	Tg : 12°c	Tile adhesive (C1,C2)	VINNAPAS 5010N		Excellent weather resistance
3-Accelerators	Calcium formate	BG98	SD000002	Granule	Tile adhesive	/		Increasing the early strength of mortar
	Nano-enhancer	HS-93	SD000043	Powder		/		Improve tile adhesive water-resistance
4-Retarders	Tartaric acid	TA-L100	SD000004	Powder	Self-leveling mortar /Plaster	/		Suitable for use with plaster and mortar
	Gypsum retarders	GR-60A	SD000007	Powder	Gypsum Based Machine Plaster	/		Customized retarding agents
		GR-70	SD000006	Powder	Plasterboard/Gypsum Plaster	/		The dosage is more linear, and the product is more stable
		GR-95	SD000670	Powder		SICIT PlastRetard-PE L/ SIKA Retardan 200P		Significant retarding effect under alkaline conditions (pH>12)
5-Water repellent agents	Silicone Hydrophobic Powder	WS-90	SD000010	Powder	Waterproof mortar, Joint filler	Wacker Powder D/ Elotex Seal80		Excellent water repellent performance
	Silicone oil	LWS-940	SD000003	Liquid	Plasterboard/Gypsum Bricklaying	Wacker SILRES® BS 94		Suitable for moisture-resistant plasterboard
6-Air entraining agents	Sodium Lauryl Sulfate	AE-110P	SD000011	Powder	Wall putty/Plaster	/		Improving the Workability of Putty and Mortar
	Sodium α-olefin sulfonate	AE-180P	SD000013	Powder		Clariant-Hostapur OSB		Introduces uniform and fine foaming, Increase the Coating Rate
7-Foaming agents	Ggypsum foamer	LWC-10	SD000014	Liquid	Plasterboard	Basf Vinapor GYp 3110		Good foaming effect, Big bubble
		LWC-50	SD000016	Liquid		Basf Vinapor GYp 2620		Good foaming effect, Medium bubble
8-Defoamers	Silicone/polyether	D-130	SD000017	Powder	Universal type	Muzing Agitan P833		Good defoaming effect, good foam suppression

[illegible]	Based	D-150	SD000019	Powder	Low-temperature resistant	Evonik Stiren Air Void 360 Muzing Agitan P841		Strong defoaming ability at low temperatures
9-Enhanced anti-cracking materials	Polypropylene fibres	PPCF	SD000020	3,6,12mm	Anti-cracking mortar	/		Improves the flexibility of the mortar
	Nature Cellulose /Powdered [illegible]	LW-500	SD000021	White Fiber	Tile Adhesive/Putty	JRS PWC500		Reduce mortar cracking
10-Modified starch	Starch ether	SE-302	SD000024	Potato starch	C1T, C2T, TIle adhesive	STARVIS SE 35 F		High anti-sagging properties, good thickening properties
		SE-501	SD000025	Tapioca starch	Wall Putty	/		Improves the smoothness of wall putty
		SE-801	SD000026	Potato starch	Plaster	STARVIS SE 45 F		Good thickening properties, improves the smoothness of plastering
	Pre-gelatinised starch	PCS-30	SD000027	Corn starch	Interior wall putty	/		Improves smoothness and the surface strength of the wall putty
11-Binder	Powdered polyvinyl alcohol	PVA-1788P	SD000030	Powder	Interior wall putty	/		Improves smoothness and the surface strength of the wall putty
12-Powder water reducers	Melamine superplasticizer	SMF-10P	SD000032	Powder	Tile adhesive/Wall putty	BASF Melment® F 10		No air-entraining effect, improves the surface compactness of mortar/putty
	Polycarboxylate Superplasticizer	PCE-802P	SD000033	Powder	Self-leveling mortar	SIKA 530P		High water reduction rate,insensitive to materials
		PCE-803P	SD000034	Powder	Self-leveling mortar/ Gypsum-based products	ViscoCrete®-540 P/BASF 2651F		Suitable for use in cement and gypsum systems
13-Suspension rheology modifier	Rheology Agent	RL-30	SD000836	Powder	Self-leveling mortar	BASF Starvis 3040F		Superior suspension properties enhance the surface strength of self-leveling mortar.
14-Lithium salt coagulants	Lithium Carbonate	CI-99P	SD000041	Powder	Self-leveling mortar	/		Reduces the setting time of self-leveling mortar without affecting strength
15-Shrinkage-Reducing Admixture	Powder Shrinkage-Reducing Admixture	SR-100P	SD000042	Powder	Grouting material	Peramin SRA 10 SITREN PSP 105		Slows down the hydration reaction during the plasticizing stage of the mortar, thereby reducing shrinkage cracking
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