

Concrete Admixtures - SIDLEY CHEMICAL

No.	PRODUCT FAMILY	PRODUCT NAME	TYPE	CODE	DESCRIPTION
1	Mother Liquid Superplasticizer	Universal water reducing type	PCE154L, 55%	SD000088	Provide high water reducing effect, excellent fluidity, suitable for various types of concrete production
2			PCE150L, 70%	SD000086	Provide moderate water reducing effect, improve workability, increase cohesiveness, suitable for various types of concrete production
3		Super early strength type	PCE159L, 45%	SD000092	Improving fluidity while significantly increasing early strength, shortening demolding time, and increasing mold turnover, especially suitable for the production of precast concrete components such as pipe piles, pipe segments, and residential industrialization
4		Universal type with slump retention	PCE155L, 50%	SD000090	Greatly extends the slump retention time, improves workability, and is suitable for various types of concrete production
5	Soluble Mother Powder Superplasticizer	Water reducing type	154P	SD000832	Provide high water reducing effect, excellent fluidity, suitable for various types of concrete production
6		Slump retention type	157P	SD000902	Improve fluidity, enhance workability, significantly reduce concrete viscosity, improve difficulty in concrete finishing, and prevent surface waves after finishing

7	Functional Superplasticizer	Ready mix concrete	PCE SLP85	SD000772	For high flowability concrete such as ready mixed concrete and self compacting concrete. Greatly reduce water consumption, provide excellent flowability, and have good water retention and construction performance. Suitable for hot summer seasons, long-distance transportation, and other situations. The formula can also be customized according to the actual situation of customers.
8			PCE 20SL	SD000109	Greatly reduce water consumption, provide excellent fluidity, and have super strong water retention and high self leveling performance. Particularly suitable for self compacting concrete, concrete with long delivery time (excellent slump retention), concrete in hot climates, and concrete with super long slump retention time of 3-6 hours
9		Precast concrete	PCE 20SP	SD000110	A liquid high-efficiency plasticizer specially developed for precast concrete, which can greatly reduce water consumption, has a high water reduction rate, good workability, significantly improves early strength, shortens demolding time, improves mold turnover rate, and has good appearance performance. Suitable for medium and large precast concrete components.
10	Setting time adjustment and early strength time improvement	Retarder	SG100	SD000116	Controllable delay in setting time, suitable for the production of medium and long-term delayed setting concrete, especially for concrete production under construction conditions such as large volume, long-term transportation, high temperature environment, and the need for repeated vibration
11			RETARD24	SD000118	
12		Shotcrete Accelerator	SA06	SD000151	The new generation of environmentally friendly chlorine free and alkali free liquid rapid setting agent has fast setting time, small strength loss, and low rebound rate, suitable for shotcrete production
13			SA06MP	SD000152	SA06MP is the main raw material for producing SA06

14	Work performance improvement products	Air-entraining agent	AE180P	SD000013	Introducing a large number of uniformly sized and distributed bubbles into concrete to increase its air content, improve its workability, enhance its frost resistance and impermeability, for the production of high-performance and durable concrete
15		Foaming agent	LCF35	SD000646	LCF 35 is a ready-to-use liquid admixture primarily composed of protein-based foaming components, designed for the production of Controlled Low Strength Concrete.
16			LG65	SD000446	LG-65 is a reactive chemical foaming agent specifically designed for aerated concrete (AAC), which is a paste like substance primarily composed of aluminum powder. LG-65 has good foaming effect and foam stability in alkaline cement environment.
17		Defoamer	DF230L	SD000129	Quickly destroy the stability of bubbles in concrete, eliminate bubbles, reduce the air content of concrete, prioritize the elimination of larger sized bubbles in concrete, and use them to improve the compactness of concrete and reduce water bubbles on the surface of concrete
18		Stable rheology agent	VMA	SD000111	Significantly improve the cohesiveness, workability, and lubricity of concrete, and alleviate phenomena such as poor water retention, pump segregation, and increased pump pressure caused by low cement content, unstable fine materials, or poor grading. It is particularly suitable for pumping construction of difficult to pump concrete and artificially crushed aggregate concrete
19			Stabilizer 9R	SD000115	Significantly improve the cohesiveness, workability, and lubricity of concrete, especially suitable for self compacting concrete and high fluidity concrete

20	Surface treatment products	Release agent	Finish RL99	SD000131	Water based release agent, containing emulsifiers and mineral oils, is mainly used for separation during concrete molding, reducing pores, surface defects, and stains, effectively preventing rust (suitable for metal formwork), achieving very economical coverage, and suitable for all types of formwork.
21			Finish RL100	SD000912	Oil based release agent, low viscosity, easy to spray, mainly used for separation during concrete forming, reducing pores, surface defects and stains, effectively preventing rust, especially suitable for steel formwork.
22	Durability improvement products	Expansion Admixture	EA25P	SD000153	Magnesium oxide expansion agent, Ensure micro expansion of concrete in the later stage, The expansion process of MgO expansion agent is slow and persistent (up to several months or even years), which can perfectly counteract the shrinkage during the cooling stage of concrete.
23			CSA	SD000913	CSA expansion agent produces a large amount of ettringite crystals in the early stage of hydration (1-7 days), ensuring early expansion and compensating for early plastic shrinkage
24		Shrinkage Reduction	SRA	SD000138	Significantly reduce the drying shrinkage and self shrinkage of concrete, reduce the risk of concrete cracking, especially suitable for concrete production with strict control of concrete shrinkage
25		Waterproofing agent	WT50	SD000140	Blocking and reducing capillary phenomenon, thus possessing good waterproof performance without affecting the mechanical strength of concrete and mortar

26	Waterproof concrete products	waterproofing agent	WT-60	SD000470	Blocking and reducing capillary phenomenon, thus possessing good waterproof performance without affecting the mechanical strength of concrete and mortar
27		Crystalline waterproofing agent	WT255P	SD000546	A water-resistant crystalline waterproof composite admixture used to reduce the permeability of concrete and have a certain crack repair ability
28	Fiber reinforced concrete products	End hook type STF	STF-LH	SD000142	Can effectively control plastic shrinkage cracks in concrete
29		Brass Coated Micro Steel Fiber type STF	STF-BCM	SD000143	Used for UHPC and high toughness concrete to increase the strength, flexural and crack resistance of concrete
30		Polypropylene Hinge Fiber	PPHF	SD000145	PPHF can replace steel bars as structural steel bars in concrete slabs/lightweight prefabricated components/shotcrete
31		Polypropylene Macro Fiber	PPMF	SD000148	Strong polypropylene coarse fibers can replace steel bars as structural reinforcement in concrete slabs/lightweight prefabricated components/shotcrete
32		Polypropylene Mesh Fiber	PPSF	SD000144	Can effectively control plastic shrinkage cracks in concrete
33		Polypropylene Chopped & Monofilament Fibre	PPCF	SD000020	Can effectively control plastic shrinkage cracks in concrete
34		Inorganic Fiber	HTRF	SD000445	Inorganic fiber made from basalt rock that has been melted at high temperatures and spun into filaments, are characterized by high strength, wear resistance, and heat resistance.

35		Glass Fiber	GF	SD000150	Significantly improve the tensile strength, flexural toughness, and impact resistance of concrete, used for manufacturing glass fiber reinforced concrete (GRC), suitable for thin-walled components, decorative panels, etc
36	Dry and hard concrete products	Anti-Efflorescence Agent	RE100P	SD000651	Applied in the production of dry and hard concrete products, it can significantly improve the anti alkali ability of the products

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