

Powder Water-Reducers Admixtures

Mother Liquor PCE

PRODUCT FAMILY	TYPE		FEATURES AND RECOMMENDATIONS	DESCRIPTION	STANDARD	Benchmarking product
HIGH-RANGE,WATER-REDUCERS	PCE150L	SD0107	Mid-water-reducing,High solid content, 70%	Liquid	EN934-2:T3	Sika Viscrete 3301M (MR-1)
	PCE152L	SD0161	Ultra high water reduction rate≥45%, Exhibit excellent performance in early strength growth	Liquid		Sika Viscrete 3301HH (WR-4)
	PCE154L	SD0106	Ultra high water reduction rate mother liquor, highly water-reducing	Liquid		Sika Viscrete 3301MK (PC7.5)
	PCE156L	SD0109	Mid-slump retentionmid-water-reducing	Liquid		Sika Viscrete 3301MH (PC5.5)
	PCE155L	SD0108	Slump retention	Liquid		Sika Viscrete 3301MU (PC6A)
	PCE157L	SD0110	Adjust the workability of concrete, highly slump retention	Liquid		Sika Viscrete 3301LS (SK67)
	PCE159L	SD0162	Super early strength polycarboxylate high-performance water reducer	Liquid		Sika Viscrete 20HE (WR-9)
Functional Water-Reducers						
PRODUCT FAMILY	TYPE		FEATURES AND RECOMMENDATIONS	DESCRIPTION	STANDARD	Benchmarking product
NORMAL WATER-REDUCERS	NWR50	SD0143	For lower strength concrete	Naphthalene sulfonate-based		
Mid-Range WATER-REDUCERS	Ment NS	SD0145	For Ready-mixed concrete, Small precast concrete products, Prestressed Concrete Cylinder Pipe(PCCP), Concrete pile	Naphthalene sulfonate-based		
	Ment NS Powder	SD0144	For Ready-mixed concrete, Small precast concrete products, Prestressed Concrete Cylinder Pipe(PCCP), Concrete pile			
	Ment NS95	SD0146	Superplasticizers for Roller Compacted Concrete(RCC)			

	PCE1015L	SD0160	Mid-range water-reducing admixture for ready-mixed concrete.	polycarboxylate ether-based		
	PCE1025L	SD0158	Water-reducing admixture for industrial concrete floor slabs with power-floated finishes			
HIGH-RANGE, WATER-REDUCERS	PCE1016L	SD0159	Superplasticizers for Aerated Autoclaved Concrete (AAC)	polycarboxylate ether-based	EN934-2	
	PCE1026L	SD0157	Superplasticizers, ready-mixed concrete, concrete for infrastructures			MasterEase 3820 Sika Viscrete 3110
	PCE1036L	SD0156	Superplasticizers, Good retarding time for Mass Concrete (MC)			
	PCE1046L	SD0155	Superplasticizers, Self-compacting concrete, Concrete with long delivery times (superior slump retention) concrete in hot climates, 6-9 hours of ultra long collapse protection time			Sika ViscoCrete® SC-403
	PCE1056L	SD0154	Superplasticizers for low clinker concrete production			MasterCO2re 3700
	PCE1066L	SD0153	Superplasticizers for industrial concrete floor slabs with power-floated finishes			MasterFinish SLB 101
	PCE1076L	SD0151	Superplasticizers concretes containing challenging sands such as those containing swelling clays.			MasterGlenium SKY 925
	PCE1085L	SD0150	Self-compacting super plasticiser for use in GRC and precast concrete			
	PCE1086L	SD0149	Superplasticizers, high early strength for Shotcrete or Precast concrete (Large box girders or T-beams used for railway or highway bridges)			MasterCO2re 5700
	PCE1096L	SD0152	Superplasticizers, High performance for UHPC			
	PCE20SL	SD0147	Superplasticizers, Operational time 8-12 hours excellent slump retention ability for top lifting method for construction of steel pipe arch or steel pipe column			Sika Viscrete 3301C
	PCE20SP	SD0148	Superplasticizers, high early strength for precast subway pipe segments concrete or Tunnel segments			Sika Viscrete 20HE
Function Additives						
PRODUCT FAMILY	TYPE		FEATURES AND RECOMMENDATIONS	DESCRIPTION	Dosage	Benchmarking product

VISCOSITY MODIFYING AGENTS	VMA	SD0111	Application area: SCC, Manufactured Sand Concrete, Low binding material concrete. Improving the flowability and stability of concrete by improving the performance of concrete slurry rather than increasing the amount of cementitious materials used	Liquid	3-8kg/t	BASF 420
	LV1	SD0112	Application area: High-strength concrete, Concrete with high viscosity, Low slump pumping concrete. By reducing the viscosity of concrete, improving its workability and flexibility, it facilitates the pumping and construction of concrete.	Liquid	40-100kg/t	
	Stabilizer 5R	SD0113	Application area :Low binding material concrete, Artificial sand concrete, Ultra-fine sand concrete, Discontinuous graded coarse aggregate concrete. By increasing the viscosity or air content of concrete, improving its workability, enhancing its wrapping properties, and avoiding segregation and bleeding.	Liquid	20-50kg/t	Sika Stabilizer 4R
	Stabilizer 7R	SD0114		Powder	10-30kg/t	
	Stabilizer 9R	SD0115		Powder	0.5-2kg/t	
SET- RETARDING AND HYDRATION CONTROL	SG100	SD0085	Sodium gluconate	Powder	5kg-100kg/t	
	TCD98	SD0084	Anhydrous Sodium Citrate	Powder	5kg-100kg/t	
	RETARD24	SD0119	It is a liquid concrete admixture mainly used for large volume concrete or concrete projects with longer pouring times. When added with 2%, the initial and final setting time can be extended to 72 hours or more; After the initial setting delay in the plan, the hardening speed accelerates without affecting the later development of concrete strength.	Liquid	0.2 - 1.5 %	sika reatarded 25
	RETARD96	SD0120	It is an active intervention aimed at the adiabatic temperature rise process of large volume concrete hydration, which can significantly inhibit the cement hydration process, delay the internal heating rate of concrete, reduce the hydration temperature peak, and delay the appearance time of the temperature peak, effectively suppressing or reducing the temperature shrinkage cracks of concrete.	Liquid	0.5-2.0%	
	SETPLUS	SD0116	SEPULS is an engineered suspension of crystal seeds containing nanoparticles, designed to boost the hydration process of early age cement (6-12 hrs).	Liquid	0.50 to 6.00 kg per 100 kg of cement (binder)	master x-seed 100

STRENGTH- ENHANCING AND SET- ACCELERATING	SET AC205	SD0117	SET AC205 ready to use, liquid admixture is formulated to accelerate time of setting and to increase early concrete strengths. SET AC205 admixture does not contain calcium chloride	Liquid	0.5– 3.0 L/100 kg of cementitious materials	sika rapid-1
	SET AC105	SD0118	SET AC105 ready-to-use, liquid admixture is designed to make more uniform and predictable quality concrete while accelerating setting time and strength development. This product contains intentionally-added calcium chloride.	Liquid	1-4 L/100 kg of cementitious materials	
AIR- ENTRAINING	AE180P	SD0189	Sodium dodecyl sulfate	Powder	5-400mls/m3	
	AE185L	SD0190	Rosin oligomer	Liquid	20-400mls/m3	
	AE190P	SD0191	Triterpenoid saponin	Powder	30-400mls/m3	
	AE195L	SD0192	Synthetic polyether	Liquid	50-600mls/m3	
	Finish200	SD0121	Synthetic based AEA, controlled air entrainment, high quality air void system, improved concrete density and surface finish, for SCC or low-viscosity concrete	Liquid	10-300 mL/100 kg cement	
	LWC10	SD0060	It is an aqueous solution based on sodium alkyl sulfate. It is used in gypsum wallboards.	Liquid	0.02~0.10 % by weight of stucco	Basf GYP 3110
	LWC30	SD0061	It is designed to generate mid-coarse bubble to achieve light weight gypsum wallboard.	Liquid	0.02~0.10 % by weight of stucco	Basf GYP 3710
DEFOAMER	DF130P	SD0124	It is a special polyether defoamer. It is completely silicon free, has good defoaming and foam suppression effects, good water solubility and dryness, strong acid and alkali resistance, and can eliminate foam in various water-based systems.	Powder	0.02-0.3%	
	DF230L	SD0122	It is used to manufacture architectural quality concrete satisfying the requirement for a largely void-free concrete surface. It is particularly suitable for SCC and flowing concretes.	Liquid	0.10 to 0.30 kg per 100 kg of cement (binder)	sika 753w
	DF330L	SD0123	It is used to manufacture building grade concrete that meets the requirement of virtually no voids on the concrete surface. It is particularly suitable for SCC, Plain concrete, Mass concrete and Precast concrete.	Liquid	0.10 to 0.30 kg per 100 kg of cement (binder)	

SURFACE IMPROVING ADMIXTURES	Finish RL99	SD0129	Ready-to-use Water emulsion form release agent for elements where excellent surface finish is important.	Liquid	10-30 m2/kg	Sika® Separol® W-320
	Finish DF430	SD0126	Concrete defoamer for high-quality architectural concrete achieves a largely void-free surface in self-compacting and flowing concretes.	Liquid	0.10 to 0.35 litres per 100 kg of cement (binder)	
	HC	SD0128	Concrete curing agent to prevent the evaporation of moisture, allowing gases to pass through and facilitate respiration.	Liquid	4-5 m2/ltr.	Sika® Antisol® S IDROCRETE MN Mape Cure
	HCP	SD0127	Surface enhancers can penetrate into concrete, enhance surface strength, and prevent water evaporation.	Liquid	4–7 m2/l/coat	Sikafloor® CureHard-24
	TARD-S	SD0125	Surface retarder, retard set of surface mortar in concrete, suitable for exposed aggregate surface, prevent cold joints.	Liquid	200 sq. ft. per gallon	
CORROSION INHIBITORS	CIA24	SD0130	Dual action corrosion inhibitor, anodic and cathodic protection, reduced occurrence of corrosion, no calcium nitrite	Liquid	10–12 kg/m³	sikaferrogard 901s
	CNI	SD0131	CNI is a calcium nitrite-based corrosion inhibiting admixture containing a minimum of 30% calcium nitrite by mass.	Liquid	10–12 kg/m³	sika CNI
SHRINKAGE REDUCTION	SRA	SD0132	Drying shrinkage reducing admixture, suitable for high performance concrete, reduces formation of cracks	Liquid	2.0-6.0 L/m3	sika control 40/masterlife sra 25
	SR-100P	SD0021		Powder	0.2 – 2.0% of cement (binder)	SITREN PSR 100
	CRA	/	Plastic shrinkage reducer, reducing plastic shrinkage cracks	Powder/Liquid	5.0-10.0 L/m3	MasterLife CRA 007
WATER-TIGHT APPLICATIONS	WT50	SD0133	Integral watertight admixture, reduces water absorption and water penetration under pressure	Liquid	1.0-2.0% of cement (binder)	MasterPel 240
	WT100P	SD0134	Integral crystalline admixture, reduces water absorption and water penetration under pressure.	Powder	3.75kg/m3	Sika WT-200 P
	STF LH	SD0138	End hook type STF	Steel Fiber		

FIBER	STF BCM	SD0137	Brass Coated Micro Steel Fiber type STF	Steel Fiber		
	PPMF	SD0136	Polypropylene Macro Fiber(PPMF)	Synthetic fibre		
	PPSF	SD0135	Polypropylene Mesh Fiber(PPSF)	Synthetic fibre		
	PPCF	SD0062	Polypropylene Chopped&Monofilament Fibre(PPCF)	Synthetic fibre		
	PVAF	SD0194	polyvinyl alcohol Fiber	Synthetic fibre		
	PANF	SD0195	Polyacrylonitrile Fiber	Synthetic fibre		
	PESF	SD0196	Polyester Fiber	Synthetic fibre		
	CLF	SD0197	Cellulose Fiber	Cellulose Fiber		
	GF	SD0198	Glass Fiber	Glass Fiber		
SHOTCRETE ACCELERATOR	SA06	SD0173	Alkali-free liquid set accelerator, chloride-free	Liquid	5.0-10.0%	
	SA06MP	SD0193	The use of SA06MP and aluminum sulfate compound to SA06 finished accelerators does not require heating. Water is added for physical stirring at room temperature and pressure. The compounding method is simple and can significantly reduce the cost of end products.	Powder		
Expansion agent	EA25P	SD0030	Magnesium oxide expansion agent, Ensure micro expansion of concrete in the later stage	Powder	10-40kg/M3	
SILICA FUME	Fume	SD0174	Silica Fume can replace cement in excess, ensuring the strength of concrete while providing better workability and construction performance	Powder	10-20kg/M3	
Version:Jun.24.2025						

Sidley Chemical Co., Ltd.
 No. 209 Yimeng Road, Linyi City,
 Shandong Province, China
 Phone: (86) 5392522448
 Email: sales@sidleychem.com
 Website: www.sidleychem.com

