



CONCRETE ADMIXTURE PRODUCT GUIDE

BUILDING TRUST
CONSTRUIRE LA CONFIANCE



A HISTORY OF EXCELLENCE

For over one hundred years, Sika has been producing high quality, innovative admixture technologies for concrete. Sika's first product, appropriately named Sika 1, was a concrete admixture that allowed for the electrification of tunnels in Europe by waterproofing the concrete that lined the interior. Now recognized as a world leader in specialty chemicals and other products specifically engineered for concrete, we continue to bring technologies to the market that focus on the optimization of costs, workability, and durability of concrete throughout the production and application processes.

With a full line of concrete admixtures and complementary products for cement production, ready mix, tunneling & mining, precast/prestress, paving, manufactured concrete products, and dry mortar production, Sika has unique and innovative solutions to meet the needs of the concrete industry. Our broad range of admixtures help to improve both the plastic and hardened properties of concrete, providing both consistent and reliable results to our customers and end users.



CEMENT PRODUCTION

Our SikaGrind series of products help increase production, improve concrete strengths and allow for the inclusion of greater amounts of limestone.



TUNNELING & MINING

With a rich history in tunneling & mining, Sika provides both products and equipment for tunneling applications. Our alliance with Aliva allows us to offer high quality shotcreting equipment.



DRY CAST PRODUCTION

Our SikaMix line of products is specially formulated to help improve dry cast production and improve hardened properties.



WATERTIGHT CONCRETE

Sika has been making concrete watertight for over 100 years. We offer a wide range of integral admixtures to improve concrete's ability to withstand water penetration. Most importantly, good watertight concrete requires high quality jointing materials also provided by Sika.

PRODUCT FAMILY	PRODUCT NAME	ASTM DESIGNATION	PRODUCT DESCRIPTION	
Water-Reducers	Sika® Plastocrete®-161 N	ASTM C494 Type A	New generation, synthetically-manufactured water-reducing normal-set admixture for more plastic and flowable concrete	
	Sika® Plastocrete®-161 ^{CA}	ASTM C494 Type A, B & D	General purpose water reducer	
	Sika® Plastocrete®-10N	ASTM C494 Type A, B & D	Water reducer with controlled setting characteristics, extended setting times at higher dosages	
Mid-Range Water-Reducers	Sikaplast-200	ASTM C494 Type A & G	Mid-range water reducing admixture with enhanced finishability	
	Sikaplast-500	ASTM C494 Type A & F	Viscocrete Powered mid-range water reducer, high plasticity and early and final strength	
	Sikament®-475	ASTM C494 Type A & F	Multi-range water-reducing admixture utilizing Sika's ViscoCrete® technology for conventional ready mix concrete	
High-Range Water-Reducers	Sikament®-300 N / 300 ^{CA}	ASTM C494 Type F	Normal-setting high-range water-reducing super-plasticizing admixtures for stronger, more durable concrete	
	Sika® Viscocrete®-1000	ASTM C494 Type A & F	HRWR with improved slump life, finishability, high early strength, increased durability	
	Sika® Viscocrete®-2100	ASTM C494 Type A, F & ASTM C1017	Ultra HRWR, with good slump retention, improved finishability, increased durability	
	Sika® Viscocrete®-2110	ASTM C494 Type A & F	Ultra HRWR, extremely high water reduction and slump retention, high early and ultimate strength	
	Sika® Viscocrete®-6100	ASTM C494 Type A & F	Ultra HRWR with fastest set and high early strength, suitable for precast applications	
Workability Retaining Admixture	Sika® ViscoFlow-2020	ASTM C494 Type S	Workability-retaining admixture for use in various concrete applications, including conventional high-slump or SCC.	
Retarders & Hydration Control	Sika® Plastiment® RX	ASTM C494 Type B & D	New generation, synthetically-manufactured set-retarding final strength-increasing admixture for all types of concrete	
	Sika® Plastiment® / Plastiment® ^{CA}	ASTM C494 Type B & D	Water Reducer/ retarder, effective in hot weather, enhanced workability and finish	
	Sikatard-440	ASTM C494 Type B	Hydration controller, maintains workability up to several hours/ days, no affect on ultimate strength	
	Sikatard-930	ASTM C494 Type B	Hydration controller; stabilizes concrete mixes for long periods without negatively influencing the quality	
Set Accelerators	SikaSet® NC	ASTM C494 Type C & E	Non-chloride based set accelerator, suitable for fast track applications, protection from cold & freezing conditions	
	SikaSet® RHE	ASTM C494 Type C & E	Unique, next-generation non-chloride-accelerator for concrete with accelerated setting and strength gain characteristics	
	SikaSet® HE	ASTM C494 Type C & E	Chloride based, economical set accelerator, faster set time and early strength	
Strength/Hardening Accelerators	Sika® Rapid-1	ASTM C494 Type C	Strength / hardening accelerator, non-chloride, no workability loss, for very high early strength	
Air Entrainers	Sika® AER ^{CA}	ASTM C260	AEA based on organic materials, stable & predictable air, uniform void spacing	
	Sika® Air-60	ASTM C260	Unique synthetically-manufactured surfactant for air entrainment in concrete	
	Sika® Multi Air	ASTM C260	Synthetic based AEA, controlled air entrainment, high quality air void system	
	Sika® Air-260	ASTM C260	Patented multi-component AEA, reduces air fluctuations, stable air	
	Sika® Air-360	ASTM C260	Concentrated AEA, suitable for low slump concretes, lean and fly ash mixes	
Corrosion Inhibitors	Sika Ferrogard®-901		Dual action corrosion inhibitor, anodic and cathodic protection, reduced occurrence of corrosion	
	Sika® CNI	ASTM C494 Type C, ASTM C1582	Calcium nitrite based corrosion inhibitor, forms protective layer around rebar	
Dry Cast Admixtures	SikaMix PL-100		Polycarboxylate blend, dry-cast admixture, improves productivity, reduces porosity and machine wear	
	SikaMix AE-3	ASTM E514	High performance primary and secondary efflorescence reducer / water repellent admixture, improved color brightness	
	SikaMix W-10	ASTM E514	Efflorescence reducer, water repellent, decreases water absorption	
	SikaMix W-10 M		Water repellent and efflorescence control mortar admixture, improves bonding of mortar with masonry units	
	SikaMix BF3		High strength plasticizer for concrete blocks and pavers	
	SikaMix-512		Ready-to-use water-reducing admixture for extruded concrete such as hollow-core, curbs and gutters	
Watertight Applications	Watertight Concrete Powder (WCP)	ASTM C494 Type F & S	Integral watertight admixture, reduces water absorption and water penetration under pressure, also acts as water-reducer	
	Sika® WT-200 P		Water-resisting, crystalline watertight concrete admixture with crack-healing properties to reduce concrete permeability	
Silica Fume	Sikacrete®-950 DP	ASTM C1240	Densified silica fume	
	Specialty Admixtures	Sika® Stabilizer 4R	ASTM C494 Type S	Viscosity modifier, improved stability and segregation resistance, preserve slump and flow, improved surface quality
		Sika® Stabilizer Aquagel		Ready-to-use anti-washout powdered admixture for concrete
		Sika® Control-75	ASTM C494 Type S	Shrinkage-reducing admixture for high-performance concrete with greatly reduced drying shrinkage cracking
	Sika® Control NS	ASTM C494 Type S	Shrinkage-reducing and compensating admixture	
	Sika® Lightcrete Powder		Powdered admixture for CLSM, flowable fill, lean mix backfill, unshrinkable fills	
Sika® De-Air / Sika® PerFin-305		Entrained air reducers		
Concrete Fibers	SikaFiber® HP	ASTM C1116	Fine denier, monofilament polypropylene fibre, reduced plastic shrinkage and settlement cracking	
	SikaFiber® PPM	ASTM C1116	Monofilament polypropylene fibre, reduces bleeding, plastic shrinkage, and settlement, enhances durability and toughness	
	SikaFiber® PPF	ASTM C1116	Fibrillated polypropylene fibre, replaces temperature steel, controlling plastic shrinkage and settlement cracking	
	SikaFiber® MS-25	ASTM C1116	UL-rated structural macro synthetic fibre, good finishability, reduces shrinkage, improves residual concrete strength after cracking	
	SikaFiber® Force-650	ASTM C1116, Type III	A micro-synthetic reinforcing fibre for shotcrete, designed for use as a safe, simple WWF replacement	
Shotcrete Accelerator	Sika® Sigunit® L72 AF	ASTM C1141	Alkali-free liquid shotcrete accelerator, reduces rebound, increases early age	
	Sika® Sigunit® L50 AF		High-performance liquid alkali-free accelerator for wet or dry shotcrete for high-quality and high initial strength concrete	
Powdered Admixtures	Sika® Viscocrete®-125		Powdered HRWR for concrete and mortar dry mix, fast dispersion and good slump life	
	Sika® Viscocrete®-225		Powdered HRWR for concrete and mortar dry mix, faster dispersion	
Specialty Concrete Products	Sika® Rugasol-S		Surface retarder, retard set of surface mortar in concrete, suitable for exposed aggregate surface, prevent cold joints	
	SikaFilm		Retards moisture evaporation from fresh concrete surfaces, prevents plastic shrinkage cracking, aids finishing	
Grinding Aids	SikaGrind-455 GNT	ASTM C465	Cost-effective grinding aid for portland and other hydraulic cements	
	SikaGrind-240 ^{CA}		Chloride-free liquid additive to allow for easier grinding and enhanced quality of cement	
	SikaGrind-721		Efficient, chloride-free liquid performance enhancing grinding aid	
	SikaGrind-872		Efficient, chloride-free liquid performance enhancing grinding aid	

SIKA SOLUTIONS FROM ROOF TO FOUNDATION

Roofing Systems



Sarnafil®
Sikaplan®
Sikalastic®

Concrete Production



Sika® ViscoCrete®
Sika® Plastocrete®, SikaSet®
Sika® Air / AER^{CA}

Joint Sealing



Sikaflex®
Sikasil®
Sikadur® Combiflex

Grouting and Anchoring



SikaGrout®
Sikadur®
Sika AnchorFix®

Concrete Repair & Protection



Sika MonoTop®
SikaTop®, SikaRepair®
Sikagard®

Structural Strengthening



Sikadur®, Sika® CarboDur®
SikaWrap®
Sika® CarboShear

Floor & Wall Systems



Sikafloor®
Sikagard®
Sikagard® Duroplast

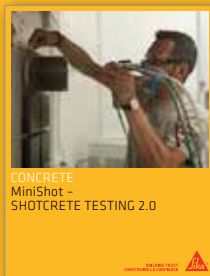
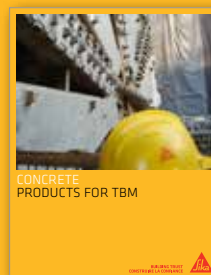
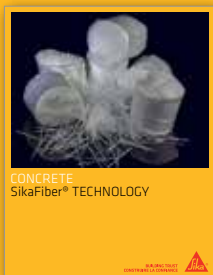
Waterproofing Systems



SikaProof®, SikaFuko®
Sika® Greenstreak®
SikaSwell®, SikaFix®

Sika Canada Inc., a member of the Sika Group, is a leader in the field of speciality chemicals, for construction and manufacturing industries. Our product lines feature high quality roofing systems, concrete admixtures, mortars and resins, sealants and adhesives, structural strengthening components, industrial and decorative flooring, as well as protective coatings and waterproofing systems. Our expertise is borne out of a global presence and served by strong, local support. Sika has earned the trust of our industries for over 100 years by delivering the highest standards of commitment and partnership.

Also Available:



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Certified ISO 14001 (CERT-0102791)

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