



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.



DRY CAST PRODUCTION

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



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 equipmment.



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 CA	ASTM C494 Type A, B & D	General purpose water reducer
	Sika® Plastocrete®-250	ASTM C494 Type A, B & D	New generation, synthetically-manufactured water-reducing normal-set admixture for more plastic and flowable concrete
	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.
	Sika ViscoFlow®-2050	ASTM C494 Type S	Strongest 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	SikaControl®-312 SE	ASTM C494 Type S	Designed to improve the strength and hydration of GUL and GU cements with and without additional supplementary cementitious content
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 PL-200	ASTM C494	High performance dry-cast admixtures, improves productivity, swipe and reduces porosity and machine wear
	SikaMix W-10	ASTM E514	Efflorescence reducer, water repellent, decreases water absorption
	SikaMix AE-3	ASTM E514	High performance primary and secondary efflorescence reducer / water repellent admixture, improved color brightness
	SikaMix AE-6		Water Repelling and efflorescence reducing admixture
	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	SikaControl®-245 WT Liquid	ASTM C494 Type F & S	Liquid Integral water-resisting, crystalline watertight concrete admixture with crack-healing properties to reduce concrete permeability
	Sika® WT-240 P		Integral powder 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
	Sikament®-100 SC	ASTM CRD C661-06	Product desription: Anti washout admixture specially designed for underwater placement
	Sika® PerFin-305		Entrained air reducers
Shotcrete Accelerator	Sika® Sigunit® L-72 AF		High performance, alkali-free liquid set accelerator for shotcrete applications
	Sika® Sigunit®-530 AFI		Alkali-free, setting and hardening accelerator for shotcrete applications
	Sika® Sigunit® L-500 AFI		High-performance, liquid, alkali-free accelerator for wet or dry shotcrete.
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
Ultra-high performance concretes	Sikacrete®-910 UHPC	ASTM C1856 / CSA A23.1/2	High performance, alkali-free liquid set accelerator for shotcrete applications
	AC ALBA	ASTM C1856 / CSA A23.1/2	White prepackaged UHPC
	COR-TUF CT25	ASTM C1856 / CSA A23.1/2	Partnership to Develop Ready-Mix-Friendly UHPC
3D mortars	Sikacrete®-733 3D CA		1-part, fibre containing, micro-concrete, with longer interlayer open time and reduced CO2 footprint for use with 3D concrete printing robot or gantry printers
	Sikacrete®-751 3D CA		1-part accelerated micro-concrete for use with 3D concrete printing robot or gantry printers
Returned Concrete	Sika® Stabilizer-180 RCA		Fast acting powdered admixture used to alter the properties of plastic concrete resulting in a very low strength granular material that is easy to process

YOUR SINGLE SOURCE SUPPLIER



ROOFING



CONCRETE



JOINT SEALING



SHOTCRETE



GROUTING & ANCHORING



CONCRETE REPAIR & PROTECTION



STRUCTURAL STRENGTHENING



TUNNELING



FLOOR & WALL SYSTEMS



WATERPROOFING SYSTEMS



MASONRY



MINING

CONTACT US FOR MORE INFORMATION



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 customers for over 100 years, by delivering the highest standards of commitment and partnership.

*Our most current General Sales Conditions shall apply.
Please consult the most current local Product Data Sheet prior to any use.*

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