



SIKA® INNOVATIVE SOLUTIONS CONCRETE & CEMENT PRODUCTION AND MINING

BUILDING TRUST



WE ARE SIKA

Sika is a specialty chemicals company with a leading position in the development and production of systems and products for bonding, sealing, damping, reinforcing and protecting in the construction and motor vehicle industries.

100 YEARS OF BUILDING TRUST

Our reputation for quality and reliability is virtually unmatched, and is illustrated through a comprehensive portfolio of problem solving products that have been employed for many years in a diverse range of applications.

COURAGE FOR INNOVATION

Sika's success is based on our long lasting tradition of innovation. We provide intelligent solutions using the most advanced technologies, service and unique expertise. All Sika solutions are designed with our customers' success in mind and we look to build long-lasting and mutually beneficial relationships.

SIKA PRODUCTS

Sika has core competencies in seven (7) different markets: Concrete, Refurbishment, Sealing and Bonding, Waterproofing, Flooring, Roofing and Industry, in both the construction and motor vehicle industries.

SIKA AT A GLANCE

17,000	TEAM MEMBERS
90+	COUNTRIES
160+	FACTORIES WORLDWIDE
8	NEW FACTORIES IN 2014
70	NEW PATENTS IN 2014
3	ACQUISITIONS IN 2014
CHF 5.57 BN	NET SALES IN 2014



SIKA PHILIPPINES: YOUR LOCAL TRUSTED PARTNER

Sika Philippines, Inc. is a proud member of the worldwide Sika Group, which is wholly owned by Sika AG, Switzerland. We have been serving the Philippine market since March 1994.

DESIGN AND PLANNING OF CONCRETING

High Strength Concrete



Self Compacting Concrete (SCC)



Sprayed Concrete



Pumped Concrete



Concrete Essentials



High Early Strength Concrete



Cement Production



Excellence in Concrete is a Must!

Recent trends, including economic and ecological pressures combined with increased requirements for concrete properties and performance, plus greater durability requirements in projects, create new challenges. These are relevant for all of the parties involved in the design, planning and production processes of concrete and concrete structures.

This creates the demand for improved and innovative concrete technologies, the core business of Sika.

Sika can contribute significantly to your concrete technology excellence!

SIKA CONCRETE AND CEMENT TECHNOLOGY



Cement Production



Ready-mix Concrete



Precast Concrete Industry



Sprayed Concrete

Sika companies worldwide are equipped with a concrete laboratory and an R & D center to support local customers and provide customized products and services.

MAIN MARKET COMPETENCE

Wherever a building or civil engineering structure is being constructed with concrete, Sika has a well proven track record. With innovative admixtures and additives to improve cement or concrete quality and workability, Sika has an extensive product range for approved and cost effective solutions. Sika is also a reliable supplier for the ready-mix industry, precast manufacturers and site batched concrete.

TECHNOLOGY & QUALITY

Since 1910, Sika has always been at the forefront of quality admixtures and cement additives for concrete and mortar products. As a technology leader in cement and concrete solutions, Sika strives to meet latest market needs, ecological demands and new regulations. Sika's latest successful development includes the Sika® ViscoCrete® technology which improves the performance of fresh and hardened concrete properties.

UNIQUE SERVICES & SUPPORT

- Concrete mix design
- Laboratory and field testing support
- Dispensing and dosing systems

SIKA CONCRETE AND CEMENT SOLUTIONS AND PRODUCTS

TYPICAL APPLICATION	SIKA SOLUTIONS	SPECIAL PERFORMANCE
Water Reducing Admixtures	Sika® ViscoCrete®	Highly efficient superplasticizer based on polycarboxylates
	Sikaplast	High plasticizing power, extended workability and efficiency
	Sikament®	Conventional superplasticizer for a wide range of applications
Set Controlling Admixtures	Plastocrete®	Strong retarding effects, set retardation > 24 hours is possible, dependent on the placing conditions and mix design
	SikaTard	Long time consistency stabilization for sprayed concrete by controlling the cement hydration
	SikaRapid	Significant early age strength increase during hardening or setting
	Sigunit	Shotcrete accelerator for sprayed applications requiring very fast setting time
Durability Enhancing Admixtures	Sika® Control	Strong reductions in concrete shrinkage, up to 40% is possible
	Sika® FerroGard	Admixtures allowing significant reduction of reinforcement corrosion
	Sika® AER	Capability to control defined properties of air bubbles, to improve workability and frost resistance
	Sika® Fume	Contains silica fume, significant improvement in strength and durability
Additives for Grinding Process	SikaGrind	To enhance cement quality and production rate resulting to low energy consumption
	Sika® ViscoCrete®	For strength development and optimizing other properties

SIKA PRODUCTS FOR CONCRETE AND CEMENT PRODUCTION

PRODUCT NAME	DESCRIPTION	SPECIFICATION / TEST REPORT	WHERE TO USE	CONSUMPTION / DOSAGE DENSITY
1. CONCRETE ADMIXTURES FOR RMC (READY-MIX CONCRETE)				
Sikament® R-4 P1	High-range plasticizer, water reducer, set retarder admixture, based on lignosulphonate	A.S.T.M C494-92 Type G	Superplasticizer for ready-mix concrete with long lasting control of slump loss	0.5%-2.0% by weight of cement (SG: 1.16)
Sika® ViscoCrete® 3002P11	High-efficient super plasticizer, water reducer, set retarder admixture, polymer based	A.S.T.M C494 Type G	Unique multipurpose plasticizer for the production of ready-mix concrete, provides water reduction and improved fresh concrete characteristics	0.8% - 1.5% by weight of cement (SG: 1.02 ± 0.02)
Sika® ViscoCrete® 3000P7	High efficient superplasticizer, polymer based	A.S.T.M C494 Type G	Unique multipurpose superplasticizer that is particularly suitable for the production of ready-mix concrete, provides high water reduction and improved fresh concrete characteristics	0.8% - 2.0% by weight of cement (Density: 1.05 ± 0.02)
Sika® ViscoCrete® 3001P7	High efficient superplasticizer, set-retarder admixture, polymer based	A.S.T.M C494 Type G	Unique multipurpose superplasticizer for the production of ready-mix concrete, provides high water reduction and improved fresh concrete characteristics	0.8% - 2.0% by weight of cement (SG: 1.05 ± 0.02)
Sika® ViscoCrete® 3100P2	Latest development of superplasticizer for concrete, polymer based	A.S.T.M C494 Type G	Unique multipurpose superplasticizer for the production of ready-mix concrete with high water reduction, with different raw materials	0.8% - 2.0% by weight of cement (SG: 1.08 ± 0.02)
Sikaplast 1000P4	Third generation low-mid range superplasticizer for concrete and mortar	A.S.T.M C494 Type G	Suitable for the production of site mixed and ready-mix concrete, with extended transportation or placing time	1.0% - 2.0% by weight of cement (Density: 1.08 ± 0.02 Kg/L)
Plastocrete® RMC	Water-reducing and set-retarding concrete admixture	A.S.T.M C494-98 Type B & D	Designed for use where the delivery and placing conditions for high quality concrete are most demanding such as ready-mix concrete, pumped concrete, precast and pre-stressed concrete	0.2% - 0.6% by weight of cement (SG: 1.12 Kg/L)
2. SIKA ADMIXTURES FOR PRECAST				
Sikament® NN	High range water-reducing concrete admixture, naphthalene based	A.S.T.M C494-81 Type F	As a superplasticizer in the production of free-flowing concrete such as slabs and foundation, walls, columns, piers, etc. Also used as a water reducing agent leading to high early strength concrete	1.5%-3.0% by weight of cement (SG: 1.19 ± 0.01)
Sika® ViscoCrete® 3002P11	High-efficient plasticizer, water reducer, set retarder admixture, polymer based	A.S.T.M C494 Type G	Multipurpose superplasticizer that is particularly suitable for the production of ready-mix concrete	0.8% -1.5% by weight of cement (SG: 1.02 ± 0.02)
Sika® ViscoCrete® 3500P8	High range efficient superplasticizer, high water reducer, set accelerator, polymer and polycarboxylate ether based	A.S.T.M C494 Type F	Multipurpose superplasticizer and hardening accelerator for the production of precast or semi-dry concrete, provides high water reduction and improved fresh concrete characteristics	0.6% -2.0% by weight of cement (SG: 1.06 ± 0.02)

SIKA PRODUCTS FOR CONCRETE AND CEMENT PRODUCTION

PRODUCT NAME	DESCRIPTION	SPECIFICATION / TEST REPORT	WHERE TO USE	CONSUMPTION / DOSAGE DENSITY
3. OTHER CONCRETE ESSENTIALS				
Plastocrete® N	Additive for durable and high ultimate strength concrete	A.S.T.M C494-81 Type A and B.S. 5075 Part 1:1982	Recommended for use in structural and mass concrete, particularly water-retaining structures such as reservoirs, dams, sewerage works, canals, culverts tunnels	0.3% - 0.9% by weight of cement (SG: 1.180 @ 25°C)
Sika® Fume	Additive for durable and high ultimate strength concrete		It is a highly effective additive for the production of high performance concrete, whenever dense, durable, high strength concrete is required	5% - 15% by weight of cement
Antisol S	Concrete curing compound		Ready to use aqueous solution of metallic silicates, incorporating penetrating aids, designed for application to fresh concrete to inhibit evaporation of moisture, increase the density and harden vertical or horizontal concrete surfaces	One liter per 5.5 square meters for the first application and 1 liter per 7 square meters for the second application (Density: 1.1 + 0.005)
Sika® Formol EX	Chemical form release compound for precast		A chemical release agent for use on both wooden and steel molds	Timber: 1 liter good for 19 sqm Metal forms: up to 30 sqm. (SG: 0.080 - 0.085)
Sika® AER	A highly concentrated air-entraining concrete admixture	A.S.T.M. C260-94	Used to produce easily workable and durable concrete for roads, runaways and taxi ways, aprons and hard standings, dams and reservoirs and mass concrete structures	0.02% - 0.15% by weight of cement (SG: approx. 1.02 Kg/L)
Rugasol C	Surface retarder for exposed surface aggregate		A surface retarder for application on horizontal surfaces of freshly laid concrete areas such as floor slabs, paths, driveways, patios, swimming pools and concrete construction joints	0.25 - 0.50 kg/L (SG: 1.06 Kg/L)
Rugasol F	Concrete Surface Retarder		Designed for the production of exposed aggregate finishes or for producing a mechanical key to construction joints, stop ends, or subsequent rendering applications	Approximately 0.25 - 0.3 kg/m ² (Density: approx. 1.06 Kg/L)
4. CEMENT PRODUCTION: CEMENT GRINDING AID				
SikaGrind-299 (PH)	Strength enhancing grinding aid for the production of cement	EN ISO 9001	Cement grinding aid with performance enhancing properties designed to increase output of cement grinding plants and obtain improved early strength development for cements	0.3-1.0 kg per tonne of cement (0.03%-0.10% of total weight = cement clinker + additions) (Density: 1.16 ± 0.03 Kg/L)

SIKA PRODUCTS FOR MINING

A COMPLETE RANGE OF FAST AND RELIABLE SOLUTIONS FOR THE MINING INDUSTRY



CONCRETE ADMIXTURES

A complete range of concrete admixtures which allows you to tailor-make your concrete with the desired properties



BACKFILL

Advanced admixtures to influence rheology, flow and binder content for your backfill material, saving costs and improving efficiencies



SHOTCRETE ACCELERATORS

A complete range of state-of-the-art shotcrete accelerators to ensure rapid setting for a safe and efficient mining process and reduced turn-around times



OTHER CONSTRUCTION SOLUTIONS

A complete range of Sika's proven products for grouting, repair, flooring, waterproofing and protective coatings for your specific mining needs



FIBERS

High quality steel and synthetic fibers for improved flexural and tensile strength for your shotcrete linings



SERVICE AND SUPPORT

A highly motivated and well trained group of experts on a global, regional and local level are ready to support all your mining requirements



INJECTION SOLUTIONS

A complete range of quality injection products which can be tailor-made to meet your needs for stopping water ingress and ground consolidation

PRODUCT NAME	DESCRIPTION	WHERE TO USE	CONSUMPTION/ DOSAGE DENSITY
Sigunit L - 54 AF TR	Liquid Alkali-free Shotcrete Accelerator	Suitable for both wet and dry spray applications. It is mainly used in securing rock in tunnel and mine construction, rock and slope stabilization and high quality shotcrete for general construction work	3% - 6% by weight of cement
Sigunit LS	Liquid Shotcrete Accelerator	Used for accelerating the set of dry or wet sprayed concrete mixes. The main fields of application are temporary support in underground constructions excavated by the traditional method (NATM), slope stabilization and dewatering work in dry process configuration	6% -10% (without early strength) or 10% - 16% (If early strength is required) (Density: 1.39 Kg/L - 1.45 Kg/L)
Sigunit P1-AF	Accelerating Shotcrete Admixture Powder	High quality lining shotcrete suitable for dry and wet spraying processes. It is used for support at the face whilst advancing the tunnels and mines, rocks and slope stabilization and high quality lining shotcrete	3% -6% by weight of Binder (Density: 0.75 ± 0.95 Kg/L)

SIKA® FULL RANGE SOLUTIONS FOR CONSTRUCTION & INDUSTRY

Concrete



Refurbishment



Sealing & Bonding



Waterproofing



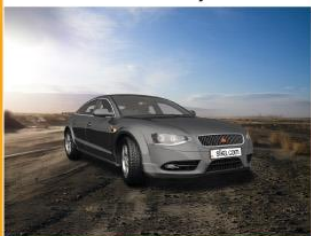
Flooring



Roofing



Industry



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WHO WE ARE

Sika AG, Switzerland, is a globally active specialty chemicals company. Sika supplies the building and construction industry as well as manufacturing industries (automotive, bus, truck, rail, solar and wind power plants, façades). Sika is a leader in processing materials used in sealing, bonding, damping, reinforcing and protecting loadbearing structures. Sika's product lines feature high quality concrete admixtures, specialty mortars, sealants and adhesives, damping and reinforcing materials, structural strengthening systems, industrial flooring as well as roofing and waterproofing systems.

SIKA PHILIPPINES

Sika Philippines, Inc., a wholly-owned subsidiary of the Sika Group, has been serving the Philippine Market since March 1994.

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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