



# SIKA® INNOVATIVE SOLUTIONS WATERPROOFING

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.





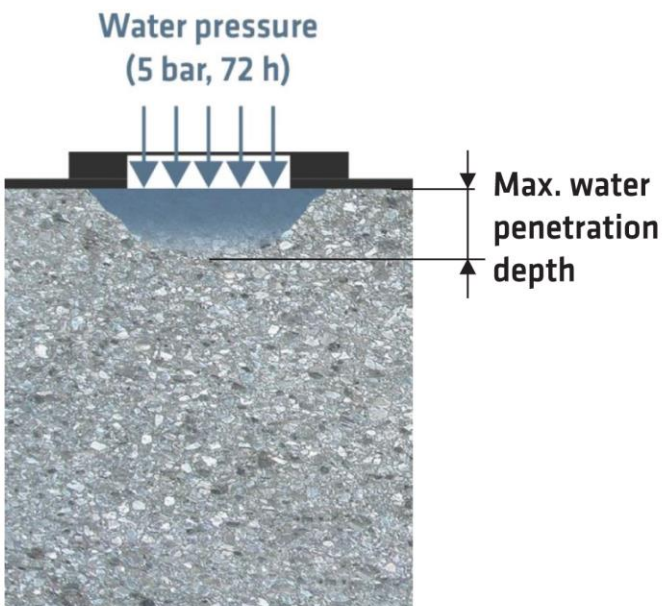
# WATERPROOFING TECHNOLOGIES

## TECHNOLOGY & QUALITY

Sika, the world's leading waterproofing company has been producing innovative and high quality waterproofing products since 1910. Sika's waterproofing technologies include the integrated "White Box" concept which is a water-tight concrete combining joint waterproofing. Sika also provides high-quality flexible PVC and FPO membranes with unique compartment system; polyurea, polyurethane and epoxy coatings; complete injection systems; mortars, renderings and more. Many of the products fulfill the most stringent drinking water approvals. Typical waterproofing applications are below ground structures for buildings, tunnels and other civil engineering structures. Sika also provides a unique range of complete systems and products based on extensive experiences and support owners, engineers and contractors throughout the construction process.

## OUR COMPLETE RANGE OF WATERPROOFING SOLUTIONS INCLUDE:

- Sika® Watertight Concrete Systems and Joint Waterproofing (Sika-1, Sikalite and Sika® Waterbar)
- Sika® Liquid Applied Membrane Systems (Sikalastic, Sika® RainTite)
- Sika® Waterproof Mortar and Bituminous Coating Systems (SikaTop® Seal-107, Sika® Bituseal and SikaProof Membrane)



# WATERTIGHT CONCRETE AND JOINT WATERPROOFING

To waterproof buildings and civil engineering structures is a complex job. Waterproof and watertight structures can only be achieved by careful design, planning and construction. It is important to make the right choice of waterproofing products and systems, and for them to be installed correctly with professional workmanship. With Sika's expertise and experience, we can provide the right concept and solution, with the right products and system for every waterproofing job.



**Sika® 1**



Integral normal setting waterproofing compound for mortar and concrete

## Uses

### Building Construction

- Waterproofing of basements against dampness, ground water and water pressure, inside and outside
- Waterproofing under difficult conditions i.e. central heating plants
- Waterproofing of lift pits in conjunction with basement waterproofing
- Waterproofing of bathrooms, showers as well as business and industrial humidity chambers
- Waterproofing of swimming pools
- Execution of weatherproof façade renderings
- Waterproofing topping
- As a general water proofer for normal concrete mixes

### Civil Engineering-Waterproofing of:

- Filter beds, water reservoir, subways, sewerage, tunnels, shelter rooms and fortification works, water engineering

## Characteristics

- Ready to use
- Non toxic
- Non corrosive
- Chloride free
- Non inflammable



**Sikalite**



Powdered waterproofing admixture for mortar

## Uses

To waterproof Portland cement and mortars for application to:

- Walls
- Facades
- Floor toppings
- Jointing mortars

## Characteristics

- Easy to use
- Economical
- Convenient powdered form
- Watertight, but vapor permeable
- Chloride free



**Sika® Waterbar**



Soft and flexible PVC (Polyvinyl Chloride) - based joint sealing waterbars

## Uses

For the effective sealing of concrete construction and expansion joints in structures such as:

- Basements
- Water reservoirs
- Sewage treatment plant
- Swimming pools
- Retaining walls
- Lift shafts
- Tunnels, culverts
- Service pits

## Characteristics

- Sealing start as soon as the concrete has hardened
- Multi rib profile provides impenetrable barriers to water migration
- Can be easily site welded
- Good chemical resistance
- Various kinds of profile available for all type of application





## Sika® Hydrotite CJ Type



A hydrophilic rubber combination, material for sealing site formed concrete joints

### Characteristics

- In addition to the packaging effect, Sika® Hydrotite CJ Type expands as it absorbs water and fills up concrete joint gaps conforming to the gap variations and thus ensuring excellent sealing
- Has the property to absorb water thus producing self-expansion pressure which closes the water path for effective sealing
- Easy to handle as it is light weight and installed after removal of the form
- Treated with an expansion delay coating to preserve it from the influence of water from freshly poured concrete and expansion taking place before curing of concrete

# MORTAR BITUMINOUS COATING

External Waterproof Coatings can seal and protect structures against water ingress and attack by aggressive chemicals in the ground water. Thick bituminous coatings are commonly used to provide combined waterproofing and protection, plus they can also be used to install and bond thermal insulation panels on the surface at the same time. For waterproofing penetrations such as pipe entries for example, the waterproofing systems must be suitable for forming and adapting to seal around complex details and also able to bond to the different materials involved.



## SikaProof Membrane



One component highly elastic waterproofing and damp proofing cold applied membrane

### Uses

- Between concrete-slab construction
- Below grade waterproofing of concrete and masonry surfaces
- Flat roofs
- Balconies
- Basements

### Characteristics

- Single component, ready to use
- Easily applied by spray roller or brush
- Fast curing to a durable, flexible consistency
- Excellent adhesive and elongation properties
- Designed for use on new and existing structures
- Low modulus
- Contains no solvent

# MORTAR BITUMINOUS COATING



**Sika® Bituseal T-130 SG/T-140 SG**



Torch-on sheet waterproofing membrane based on APP modified, reinforced bitumen, with a sand broadcast surface - Flexible to 0°C

## Uses

- Waterproofing and damp-proofing of the exterior walls of basements against percolating water and damp soil
- Waterproofing of retaining walls
- Waterproofing on flat roofs under protective layers or ballast
- Waterproofing on flat and exposed roofs and under tiles
- Waterproofing on balconies/terraces under tiles

## Characteristics

- Resistant to ageing
- Resistant to weathering
- Good tensile strength and elongation
- High resistance to water vapor (non-vapor permeable)
- Good dimensional stability
- Flexible at low temperatures
- Easy to install with the torch-on method
- Not resistant to root penetration
- Suitable as top layer for multilayer installations
- Good resistance to mechanical impact
- Must be installed on suitable primed, uniform and smooth substrates such as concrete and brickwork

Available in 3mm and 4mm thick



**SikaTop® Seal-107**



Flexible protective and waterproofing slurry

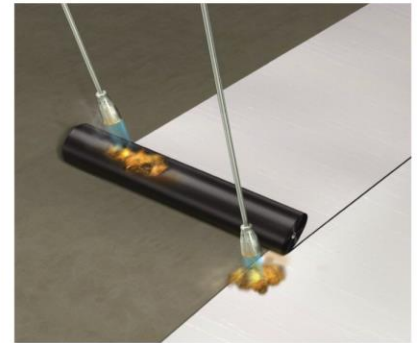
## Uses

For external and internal waterproofing, crack sealing on concrete, mortar, brickwork and steel in:

- Basements
- Swimming pools
- Water tanks
- Flat roofs
- Balconies, terraces, bridges
- Retaining walls
- Sea walls
- Tunnels, etc.

## Characteristics

- Pre-dosed sets
- Easy to mix
- Consistency can be chosen for application by brush or by trowel
- Excellent adhesion on sound substrates
- Impermeable
- Good resistance to abrasion and erosion
- No drying or shrinkage crack, if used according to instruction
- Non-corrosive and non-flammable
- Non toxic
- Slightly flexible



**Sika® WP Shield-103**



Atactic PolyPropylene Modified Bituminous Membranes - Mineral Finish

## Uses

Used as waterproofing / damp proofing, membrane for protection of various substrates in a wide range of application:

- Medium to large roof slabs ( Domestic, Commercial, and Industrial)
- Basements and raft slabs, exposed roofs
- Underground car parks, etc
- Bridges and underpass

## Appearance/Color:

Black membrane  
Upper finish: Mineral granules  
Underside finish: PE film

Available in 3mm thick



# LIQUID APPLIED MEMBRANE



**Sika® RainTite**



Acrylic Waterproofing

## Uses

- Concrete flat roofs
- Sealing joints, laps and roofing screws on various kind of roofs (roof tile, asbestos, zinc)
- External wall finishing
- Parapet walls

## Characteristics

- Excellent weather & UV resistance
- Easy to use and apply
- No priming
- Excellent adhesion to most surfaces
- High flexibility
- Thixotropic
- Non-toxic
- Will not promote fungal growth



**Sikalastic® -560**



Economical and eco-friendly polyurethane liquid applied roof waterproofing solution based on Sika Co-Elastic Technology (CET)

## Uses

- For roof waterproofing solutions in both new construction and refurbishment projects
- For roofs with many details and complex geometry when accessibility is limited
- For cost efficient life cycle extension of failing roofs
- For reflective coating to enhance energy efficiency by reducing cooling costs

## Characteristics

- UV resistant and resistant to yellowing and weathering
- Highly elastic and crack-bridging capability
- Non-toxic and VOC compliant water based coating
- One component - ready to use
- Excellent adhesion on porous and non-porous substrates
- Seamless waterproofing membrane
- Water vapor permeable

# SIKA® FULL RANGE SOLUTIONS FOR CONSTRUCTION & INDUSTRY

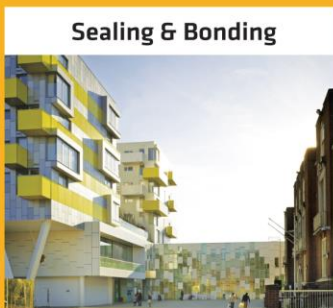
**Concrete**



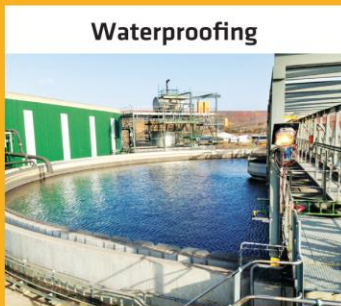
**Refurbishment**



**Sealing & Bonding**



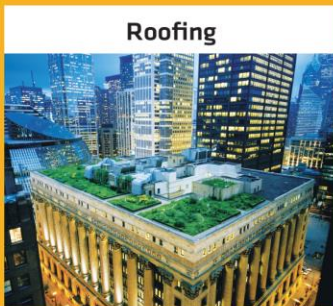
**Waterproofing**



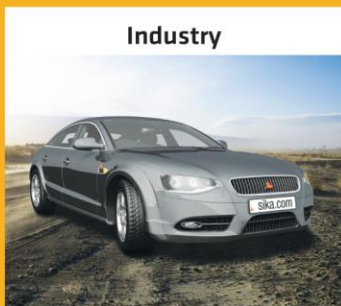
**Flooring**



**Roofing**



**Industry**



**FFI**



## 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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