Sika Solutions

Sika Canada Inc. offers a comprehensive range of materials to either safeguard or renovate buildings and structures in their entirety:
- Waterproof roof systems which additionally improve heat loss reductions and even generate energy;
- Concrete admixtures that improve the behaviour and performance of this vital building material;
- Coatings, grouts, sealants, plates, resins and mortars to make good and provide protection;
- Heavy, moderate or light duty and decorative floor systems and finishes.

Sika can supply a single source, completely compatible and proven package of solutions for virtually any need.

Environmental Commitment

Our company and the Sika Group are also organizations committed to the environment. This is demonstrated by:
- Contribution to the green building process and LEED®-Canada certified projects;
- Membership of the Canadian Green Building Council (CaGBC);
- Contribution to the green building process and LEED®-Canada certified projects;
- Membership of the Canadian Green Building Council (CaGBC);

In fact, over the last 100 years, Sika's systems have earned the confidence of construction professionals everywhere thanks to their cost-effective quality, reliability, and durability. An essential element in our "foundations upwards" philosophy, Sika Systems is responsible for the selection, supply, and delivery of construction chemicals at Sika. Our products, whether designed for new-build or renovations, consist of no harmful substances. The production process itself is also fully compliant with federal and provincial directives for the reduction of environmentally harmful substances;

Furthermore, as part of our environmental policy, considerable attention has been devoted to ensuring that these products are as climate-friendly as possible and contribute to a sustainable future. Sika is an ISO 9001 certified company and its Pointe-Claire facility has received the ISO 14001 certification for its environmental management systems.

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Sika Services

Sika Canada Inc. supplements its problem solving products with a high level of support. Dedicated teams provide informed experience, knowledge and assistance. Help is available to clients, consultants and contractors, from design through to completion:
- Identifying key performance requirements and customizing systems accordingly;
- Contributing to specification documents and advising on applicator selection;
- Providing detailed advice on the details to ensure products are correctly installed and perform;
- Inspecting guidance for the maintenance of applied systems to optimize durability.

Sika benefits its partners with technology and presence, which not only address their needs but do so with performance and the environment in mind.

Sika Solutions

For Industrial Construction and Maintenance
Sika Canada Inc. has acquired a wealth of knowledge and experience in the building and renovation of industrial structures and facilities over the last 50 years. This brochure illustrates a selection of potential or existing problems that may occur in industrial environments and that should be addressed at the design stage of a new construction or repair project. For these problematic situations, Sika offers a wide range of solutions, from ‘roof to floor’ or from ‘foundations upwards’.

**Roofing Problems:**
- Weathered and leaking roofing causing water ingress into operational areas below.
- Insufficient resistance to uplift pressures resulting in fat or pillar ‘bloom-off’.
- Lack of resistance and resultant spread of flame with roof top configuration.

**Solutions:**
- Sikaflex®, Sikaplan® and SikaWrap® membranes for assured waterproofing of roofs.
- Sikalite® mechanically fastened and reinforced membranes for wind resistance.
- Sarnafil® membranes for fire resistance and spread of flame resistant roofing.

**Concreting Problems:**
- Lack of fire resistance and resultant spread of flame.
- Need to secure building components, plant or machinery.
- Change of use and increased loading on existing structural components.

**Solutions:**
- Sikament® and Sikalastic® mortars for resistant and durable repair of substrates.
- Sikadur® plus and Sikalastic® PLUS and Sika® MonoTop® repair systems for facades, sills and lintels.
- Sikaplan® and Sikalastic® membranes for assured waterproofing of roofs.
- Sarnafil® and Sika® Plastocrete® water reducing admixtures for increased performance.
- Sikament® and Sika® Plastocrete® admixtures for improved resistance and life-span.

**Joint Sealing Problems:**
- Water and chemical seepage through floor joints into foundation or rooms below.
- Damage to roofs as a result of trafficking, impact and chemical attack.
- Deterioration and deterioration due to rain penetration through window and façade joints.

**Solutions:**
- Sikaflex® range of high performance, poureable sealants for horizontal joints.
- Sikafloor® heavy duty mortars for the repair of joint walls and nosings.
- Sikadur® range of proven gun-grade sealants for fenestration and expansion joints.

**Corrosion Management Problems:**
- Chloride contamination of structural steels resulting in loss of section and structural integrity.
- Protection of structures and facilities by aggressive environments.

**Solutions:**
- Sikaloy® anchor bolts for the extension of concrete service life.
- Sikor CNI and FearnGard® corrosion inhibiting admixtures for reinforced concrete.
- Sika® FerroGard® SJS surface applied inhibitor for the reduction of ongoing corrosion.

**Concrete Repair and Protection Problems:**
- Lack of fire resistance and resultant spread of flame.
- Need to secure building components, plant or machinery.
- Change of use and increased loading on existing structural components.

**Solutions:**
- Sikaloy® PLUS and Sika® Monotop® repair systems for facades, sills and lintels.
- Sikadur® mortars and injection resins for mechanically exposed concrete.
- Sikagard® protective coatings for building envelopes and chemical environments.

**Structural Strengthening Problems:**
- Deterioration and loss of concrete surfaces due to aggressive chemicals.
- Impact damage to concrete by fork lifts, trolleys, and loaded vehicles.
- Spalling of concrete and loss of integrity due to rusting, pollution and weathering.

**Solutions:**
- Sikament® and Sika® Carbodur® (CFRP) plate for strengthening concrete, steel and masonry.
- Sikaloy® for fabric systems for strength improvement and impact resistance.
- Sika® Carbodur® for reinforcing and Sikakril® Fabrikon® for anchoring.

**Anchoring Problems:**
- Corrosion of reinforcement and subsequent damage of concrete structures.
- Chloride contamination of steel reinforcing in loss of section and structural integrity.

**Solutions:**
- Sikaloy® anchor bolts for the extension of concrete service life.
- Sikor CNI and FearnGard® corrosion inhibiting admixtures for reinforced concrete.
- Sika® FerroGard® SJS surface applied inhibitor for the reduction of ongoing corrosion.

**Flooring Problems:**
- Wear, cracked and broken floors causing production problems and risk of injury.
- Chemical attack through spillage and wet processes causing slipperiness.
- Contamination and difficult cleaning due to porosity and surface texture.

**Solutions:**
- Sikaloy® anchor bolts for the extension of concrete service life.
- Sikatuf® low viscosity grouts to encapsulate and protect ferrous flange.
- Sikar Kryoflex® for anchoring and Sikalast® high strength resins for ensured anchoring.

**Chemical Containment Problems:**
- Leakage of effluents from treatment plants or storage vessels.
- Chemical attack upon precautionary facilities, including bund areas, causing deterioration.
- Incorrect design and/or construction errors in level of reinforcement.
- Deterioration of existing bolts and fixings owing to heavy impact, vibration and exposure.

**Solutions:**
- Sikament® and Sikalastic® mortars for effective repair.
- Sikadur® Combiflex® and Sikatem® mortars and injection resins for mechanically exposed concrete.
- Sikaplan® and Sikalastic® membranes for assured waterproofing of roofs.
- Sarnafil® and Sika® Plastocrete® water reducing admixtures for increased performance.
- Sika® Carbodur® (CFRP) plate for strengthening concrete, steel and masonry.
- Sikaloy® for fabric systems for strength improvement and impact resistance.
- Sika® Carbodur® for reinforcing and Sikakril® Fabrikon® for anchoring.

**Grouting Problems:**
- Spalling of concrete and loss of integrity due to rusting, pollution and weathering.
- Corrosion of mechanical fixings resulting in potential for damage.
- Contamination and difficult cleaning due to porosity and surface texture.

**Solutions:**
- Sikament® and Sikalastic® mortars for resistant and durable repair of substrates.
- Sikaloy® anchor bolts for the extension of concrete service life.
- Sikor CNI and FearnGard® corrosion inhibiting admixtures for reinforced concrete.
- Sika® FerroGard® SJS surface applied inhibitor for the reduction of ongoing corrosion.

**Grounding Problems:**
- Corrosion of mechanical fixings resulting in potential for damage.
- Contamination and difficult cleaning due to porosity and surface texture.

**Solutions:**
- Sikament® and Sikalastic® mortars and injection resins for mechanically exposed concrete.
- Sikaplan® and Sikalastic® membranes for assured waterproofing of roofs.
- Sarnafil® and Sika® Plastocrete® water reducing admixtures for increased performance.
- Sikament® and Sikalastic® admixtures for improved resistance and life-span.