



# CONCRETE

## SIKA SOLUTIONS FOR PRECAST CONCRETE APPLICATIONS

- Improve Health & Safety, Reduce Noise, and Increase Economics
- Place, Finish, Strip Forms, & Post-Tension More Quickly
- Partially or Fully Replace Conventional Reinforcement
- Integrally Waterproof Below Grade Structures
- Increase Aesthetics with Formliners & Integral Color

BUILDING TRUST

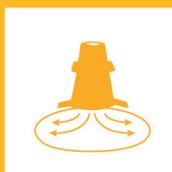


# CONCRETE SOLUTIONS FOR PRECAST CONCRETE APPLICATIONS

Sika has over 100 years of experience developing and producing a wide range of quality systems that waterproof, protect, seal, bond, strengthen, reinforce and repair every aspect of your project. We provide high performance and fully compatible products for use on building and infrastructure projects worldwide. The need for improved project delivery and cost efficiency continues to increase. With this in mind, Sika has The Concrete Essentials, representing a complete suite of products ideally suited for all project applications, in this case precast concrete applications, that create numerous synergies and benefits for the designer, producer, and owner alike. High quality concrete alone is not enough to produce durable, long lasting products - when combined with appropriate admixture technologies, proper curing and sealing/protection can this be made possible. With this in mind, Sika developed the solutions for Precast Concrete to meet the needs of producers, designers and owners.



## PACKAGE COMPONENTS:



### HIGH SLUMP & SELF-CONSOLIDATING CONCRETE:

- Create Flowable, Non-Segregating Concrete that can Spread Without Mechanical Consolidation with *ViscoCrete® High Range Water Reducers*
- Casting Heavily Reinforced, Inaccessible and Complicated Shapes
- Improve Health & Safety, Reduce Noise, and Increase Economics While Minimizing Manpower



### SLUMP RETENTION:

- Use of Workability Retainers (*ViscoFlow®-2020*) when Extended Concrete Plasticity Without Retardation is Required
- Utilization of the Latest Time-Released Polycarboxylate Technology
- Reduce or Eliminate the Need to Re-Temper Concrete
- Consistent & Reliable Performance Over Time
- Increased Early Strength



### SET ACCELERATORS & HARDENERS:

- Increase Early Strength of Concrete Without Affecting Initial Workability with *Sika® Rapid-1*
- For Use in Conditions Where Higher Early Strength is Required
- Non-Chloride Formulations (*SikaSet® NC*) Available
- Faster Finishing, Earlier Form Stripping & Post-Tensioning



### SHRINKAGE CONTROL:

- Full Line of Admixtures (*Sika® Control Series*)
- Cutting Edge Technology Combining Shrinkage Reducing and Compensating Technologies with *Sika® Control-NS*
- Reduced Curling and Increased Joint Spacing
- Improved Impermeability & Concrete Durability



### SIKAFIBER®:

- Full Line of Macro (*SikaFiber® Force*) and Micro Concrete Fibers (*SikaFiber®*)
- Capability to Reduce or Completely Replace Traditional Steel Reinforcement
- Reduction of Bleeding, Plastic Shrinkage and Settlement Cracking
- Increased Joint Spacing and Joint Maintenance Costs



### SCOFIELD® SYSTEMS FOR COLOR & AESTHETICS:

- Granular, Powder, & Liquid *Chromix®* Integral Color Systems
- *Lithochrome®* Dry Shake Hardeners
- Full Line of Concrete Curing & Sealing Compounds
- Create Patterns & Textures with Architectural Formliners, Stamping Tools, and Stains

FOR MORE Sika® CONCRETE ESSENTIALS INFORMATION:

[usa.sika.com/7essentials](http://usa.sika.com/7essentials)



For up to date and accurate information please consult the current Product Data Sheet at [usa.sika.com](http://usa.sika.com)

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