

## PRODUCT DATA SHEET

# SikaCem<sup>®</sup> Hydro Strong

High Performance, Water-reducing and Waterproofing Concrete / Mortar Admixture

### DESCRIPTION

SikaCem<sup>®</sup> Hydro Strong is an admixture of a new generation based on modified poly-carboxylate ether. The product has been primarily developed for applications in Site-batched concrete where the highest performance is required.

### USES

SikaCem<sup>®</sup> Hydro Strong serves water reducing as well as waterproofing of concrete and mortar. It is used for

- Site mix Concrete
- High workability without segregation or bleeding
- High performance concrete for durability
- Mixes requiring high water reduction is required
- Concrete containing pozzolans such as micro silica,
- GGBFS, PFA including high volume fly ash concrete

### FEATURES

- Good dispersion even in mixes with high cementitious fines
- Resistance to segregation and bleeding even at high workability
- Reduced water content for a given workability
- Increased ease in finishing concrete
- Lower pumping pressure
- Provide waterproofing concrete
- Higher ultimate strengths

### CERTIFICATES AND TEST REPORTS

Complies with ASTM C494 Types B, D & G, EN 934-2 T3.1/3.2, IS 9103 & IS 2645

### PRODUCT INFORMATION

<b>Composition</b>	Modified Poly-Carboxylate Ether (PCE)
<b>Packaging</b>	SikaCem <sup>®</sup> Hydro Strong is supplied in 1 kg, 5 kg, 10 kg, 20 kg or in bulk on request
<b>Appearance and colour</b>	Light to dark brown liquid
<b>Shelf life</b>	24 months from date of production if stored properly in undamaged unopened, original sealed packaging.
<b>Storage conditions</b>	Store in dry conditions at temperatures between +10°C and +40°C. Protect from direct sunlight and frost.
<b>Density</b>	~1.03± 0.02 kg/l at 25°C
<b>pH-Value</b>	≥ 6
<b>Total chloride ion content</b>	Nil

# APPLICATION INFORMATION

---

## Recommended dosage

Optimum dosage of SikaCem® Hydro Strong should be determined with trial mixes. As a guide, a dosage range of 200ml per 50 kg of cementitious material is normally recommended. Because of variations in concrete materials, job site conditions, and/or applications, dosages outside of the recommended range may be required. In such cases, contact your local Sika representative.

For addition information on SikaCem® Hydro Strong admixture or on its use in developing concrete mixes with special performance characteristics, contact your local Sika representative.

### Effects of over dosage:

A severe over-dosage of SikaCem® Hydro Strong can result in the following:

- Slight extension of initial and final set
- Slight bleeding/segregation of mix

A slight overdosing may not adversely affect the ultimate strength of the concrete and can achieve higher strengths than normal concrete, provided it is properly compacted and cured. Due allowance should be made for the effect of fluid concrete pressure on form work, and stripping times should be monitored.

In the event of over dosage consult your local Sika representative immediately.

---

## Compatibility

SikaCem® Hydro Strong may be combined with many other Sika® Products. Compatible with all types of cement and cementitious materials.

**Important:** Always conduct trials before combining products in specific mixes and contact our Technical Service Department for information about specific combinations.

---

## Dispensing

SikaCem® Hydro Strong is a ready-to-use liquid which is dispensed into the concrete together with the mixing water. The plasticizing effect and water reduction are higher if the admixture is added to the damp concrete after 50 to 70% of the mixing water has been added.

The addition of SikaCem® Hydro Strong to dry aggregate or cement is not recommended.

Thorough mixing is essential and a minimum mixing cycle, after the addition of the SikaCem® Hydro Strong, of 60 seconds for forced action mixers is recommended.

---

## BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

---

## APPLICATION INSTRUCTIONS

### CLEANING OF EQUIPMENT

Clean all tools and application equipment with water immediately after use. Hardened / cured material can only be mechanically removed.

### LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

### **Sika Bangladesh Limited**

Impetus Center, 242/B, (8th Floor),  
Bir Uttam Mir Shawkat Sarak,  
(Tejgaon-Gulshan Link Road),  
Dhaka -1208, Bangladesh.  
Tel +880 1313095060, +880 1313095061  
<https://bgd.sika.com/>

### **Product Data Sheet**

SikaCem® Hydro Strong  
June 2026, Version 01.01  
021405061000263760

