



# PRODUCT DATA SHEET

## SikaGrout® Aid Plus

ALUMINUM-FREE, ANTI-BLEED, SHRINKAGE COMPENSATING, FLUIDIZING GROUT AID

### PRODUCT DESCRIPTION

SikaGrout® Aid Plus is a balanced blend of fluidizing, water reducing, shrinkage compensating and bleed reducing admixture for portland-cement grouts.

### USES

- Use for horizontal and vertical prestressed tendons.
- Pre-packed aggregate cavities.

### CHARACTERISTICS / ADVANTAGES

- Help in producing high quality grout with a job site mix.
- Pre-packed aggregate cavities.

### PRODUCT INFORMATION

<b>Packaging</b>	40 lb (18.1 kg) bag
<b>Appearance / Color</b>	Gray powder
<b>Shelf Life</b>	6 months from date of production if stored properly in original, unopened and undamaged sealed packaging
<b>Storage Conditions</b>	Store dry at 40–95 °F (4–35 °C) Protect from moisture. If damp, discard material.

### APPLICATION INFORMATION

<b>Mixing Ratio</b>	3–4 % of SikaGrout® Aid Plus per 100 lb. of cementitious material.
<b>Pot Life</b>	SikaGrout® Aid Plus shall be placed within 60 minutes of mixing.

# APPLICATION INSTRUCTIONS

variance in performance based on a shift in cement behavior or performance.

## SURFACE PREPARATION

- Ensure that ducts, voids, openings, inlets and outlets are clean and free of water, debris, fuel oils, other contaminants and site trash at all times.

## MIXING

### Mix Design

- The following typical mix design shall only serve as a guide.
- Pretesting of the admixture with the local cement is a must.
- Product performance shall be established and monitored to ensure compliance with the requirements.
- Variance in cement can produce a shift in expected results.

### Mixing

- Mixing should be in accordance with the PTI Guidelines as stated in section 5.6.1 (Second edition).
- The following order should be followed for adding the ingredients: Water, Approx. 50 % cement, SikaGrout® Aid Plus, and remaining cement.
- The water to powder ratio should be targeted around 0.28–0.30.
- Mixing shall be of such duration so as to obtain a uniform homogenous mixture without excessive temperature increase. Typical mixing time range from 4–6 minutes.
- Optimum performance of the admixture in a grout shall be obtained by using high speed drill with a 2,000–2,500 rpm drill a or colloidal mixer like ChemGrout CG 600.
- Method of mixing may significantly effect the grout properties, particularly flow.

## APPLICATION

- All pumps and hose fittings should be absolutely watertight to prevent loss of water and subsequent clogging.
- Be sure your batches are limited in size so that placement can be completed approximately in one hour.

## LIMITATIONS

- SikaGrout® Aid Plus is not a substitute for Class “C” Pre-Packaged Grout.
- SikaGrout® Aid Plus shall not be used without trial mixes to confirm and validate performance required for the application.
- Design mixes should always be tested to verify satisfactory performance, specially as it relates to flow, bleed, segregation and strength.
- The grout mix using SikaGrout® Aid Plus shall be monitored at an agreed upon frequency to capture any

- Grouts formulated with using SikaGrout® Aid Plus as an additive shall not be used for patching or overlay applications.

## BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

## OTHER RESTRICTIONS

See Legal Disclaimer.

## ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

### DIRECTIVE 2004/42/CE - LIMITATION OF EMISSIONS OF VOC

0 g/l (EPA method 24)

## LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at [usa.sika.com](http://usa.sika.com) or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs.

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