



PRODUCT DATA SHEET

Sika® Grout Aid

Expanding, water-reducing, retarding high-lift grouting aid

PRODUCT DESCRIPTION

Sika® Grout Aid is a balanced blend of expanding, retarding, and water-reducing agents for Portland cement grouts. It provides a slow, controlled expansion prior to the grout hardening.

USES

Use for high-lift grouting of all concrete block and clay brick.

CHARACTERISTICS / ADVANTAGES

- A water reduction of at least 10 % is typical with the use of Sika® Grout Aid.
- Expansion action largely compensates for loss of grout volume.
- Increased water retention extends length of time that grout remains plastic so it may be vibrated.
- Allows for leaner mix.
- Superior place-ability and expansion in-place reduces cracks and cold joints.
- Retardation of setting time allows a longer period of time for expansive action to take place.
- Higher shear and bond values.

PRODUCT INFORMATION

Packaging	42 lb (19 kg) bag
Appearance / Color	White powder
Shelf Life	12 months from date of production if stored properly in original, unopened and undamaged sealed packaging
Storage Conditions	Store dry at 65–80 °F (18–27 °C) Protect from moisture. If damp, discard material

APPLICATION INFORMATION

Mixing Ratio	<p>~ 1 lb (454 g) of Sika® Grout Aid per 100 lbs (45.4 kg) of cementitious material.</p> <ul style="list-style-type: none"> ▪ The following typical mix design serves only as a basis for trial mixes. ▪ Actual mix designs must be tested prior to use. ▪ Proportions are by weight, unless noted.
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APPLICATION INSTRUCTIONS

MIXING

- Sika® Grout Aid is added in powder form to the grout mix in the transit-mixer at the job site in order to assure its action will not be altered by length of haul, mixer speed, or temperature build-up.
- Add slowly - if added too rapidly, lumps or balls may form.
- Sika® Grout Aid may be premixed with water and added as a solution provided correct dosage is maintained.

The Grout Mix shall contain:

- no less than 6 sacks of Type I or Type II Portland cement (preferably low alkali)
- 60 to 65 % sand
- 35–40 % pea gravel
- 6 lbs. of Sika® Grout Aid per yard

A slump of 8 to 10" (20.3-25.4 cm) should be maintained.

LIMITATIONS

- Design mixes should always be tested to verify satisfactory performance, specifically as it relates to strength, bleed, flow and segregation. The use of this admixture will alter physical properties.
- Not recommended as a non-shrink admixture for conventionally placed concrete.
- Grout shall not be used if more than 1.5 hr. have elapsed after addition of Grout Aid.
- This material is to be used only in grout containing coarse aggregate which is for high-lift grouting of concrete block and clay face brick or other hard burned masonry.

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.

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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.

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 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. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

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