



PRODUCT DATA SHEET

Sika® Lightcrete Liquid

FLOWABLE FILL ADMIXTURE

PRODUCT DESCRIPTION

Sika® Lightcrete Liquid is a ready-to-use liquid admixture to produce Controlled Low Strength Material (CLSM), also referred to as flowable fill, controlled density fill (CDF), lean mix backfill, unshrinkable fill or flowable mortar. Sika® Lightcrete Liquid is compatible with all conventional CLSM materials.

USES

Sika® Lightcrete Liquid is recommended for use whenever the material for structural fill or backfill is requested. Sika® Lightcrete Liquid is ideal for use in tight or restricted areas where placing and compacting soil or granular fill is difficult or even impossible. Typical CLSM applications are filling voids under existing pavements, buildings or other structures, backfilling narrow trenches, and filling abandoned underground structures such as culverts, pipes, tunnels, storage tanks, wells, sewers, etc.

CHARACTERISTICS / ADVANTAGES

- Produces a fluid material with minimal shrinkage or segregation.
- Eliminates the need for compaction of layered backfill.
- Produces very stable air contents.
- Significantly faster and less labor intensive than compacted soil fill.
- Sika® Lightcrete Liquid is compatible with all conventional CLSM materials.
- Sika® Lightcrete Liquid contains no calcium chloride or other corrosive agents.
- Easy to use.

PRODUCT INFORMATION

Packaging	Sika® Lightcrete Liquid is available in 55 gallon drums and 275 gallon totes.
Appearance / Color	Light Yellow Liquid
Shelf Life	Shelf life when stored in original packaging in dry warehouse conditions between 50 °F and 80 °F (10–27 °C) is 12 months.
Storage Conditions	Sika® Lightcrete Liquid should be stored at above 40 °F (5 °C). If frozen, thaw and agitate thoroughly to return to normal state before use.
Specific Gravity	Approx. 1.01

APPLICATION INFORMATION

Recommended Dosage

Dosage rates will vary according to the mix design, materials used, ambient conditions and requirements of a specific project. Sika recommends a dosage rate of 13 fl. oz per cubic yard (0.5 L/m³) of controlled low strength material (CLSM) concrete. The dosage rate can be reduced or increased based on the mix design to meet specific project requirements. In this case, please contact your local regional Sika office or Sika Technical Service Department 1-800-933-7452 for more information and assistance.

Mixing

Sika® Lightcrete Liquid can be added in the ready mix truck at the concrete plant or at the job site. Adding Sika® Lightcrete Liquid will increase the concrete volume by 20–35 %. Sika® Lightcrete Liquid can be transferred from drum or tote packaging into 1 gallon containers to be added conveniently at the job site.

If Sika® Lightcrete Liquid is added at the concrete plant, it can be added to the concrete during any time of the mixing process; the increase in concrete volume after adding Sika® Lightcrete Liquid should be considered during batching. Sika® Lightcrete Liquid should not be added to dry cementitious materials. After adding Sika® Lightcrete Liquid the concrete should be mixed at agitation speed for at least 75 revolutions or 5 minutes to ensure proper mixing.

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.

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**

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Sika Corporation
201 Polito Avenue
Lyndhurst, NJ 07071
Phone: +1-800-933-7452
Fax: +1-201-933-6225
usa.sika.com

Sika Mexicana S.A. de C.V.
Carretera Libre Celaya Km. 8.5
Fracc. Industrial Balvanera
Corregidora, Queretaro
C.P. 76920
Phone: 52 442 2385800
Fax: 52 442 2250537



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