



PRODUCT DATA SHEET

Sika® Lightcrete Powder

Flowable Fill Admixture

PRODUCT DESCRIPTION

Sika® Lightcrete Powder is a dry powdered surfactant packaged in a patented, ready to-use, water soluble bag. Sika® Lightcrete Powder produces 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 Powder is compatible with all conventional CLSM materials.

USES

Sika® Lightcrete Powder is recommended for use whenever the material for structural fill or backfill is requested. Sika® Lightcrete Powder 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.

PRODUCT INFORMATION

Packaging	1 lb. water soluble bag, 24 bags/case, 720 bags/pallet
Shelf Life	One year in unopened bag
Storage Conditions	Store in dry warehouse conditions between 50 °F and 80 °F (10–27 °C)

APPLICATION INFORMATION

Recommended Dosage	Dosage rates will vary according to materials used, ambient conditions and requirements of a specific project. Sika® recommends use one 1 lb. (454 g) bag to produce 1 cubic yard of controlled low strength material (CLSM).
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CHARACTERISTICS / ADVANTAGES

- Water-soluble bag readily breaks down even in very fluid mixes. Reduces potential for exposure to chemicals in the bag.
- Easy handling and storage because Sika® Lightcrete Powder is a dry powder, not a liquid.
- No problems with leakage, heat damage, or freezing.
- Produces an extremely 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 Powder is compatible with all conventional CLSM materials.
- Sika® Lightcrete Powder contains no calcium chloride or other corrosive agents.

Dosage rates outside the recommended range may be used when unusual project conditions require special consideration. In this case, Please contact your local Sika® representative or Sika® Technical Service Department 1-800-933-7452 for more information and assistance.

Mixing

Sika® Lightcrete Powder should be added to the drum with the primary mix water. Remove the outer bag. Add the inner bag to the central mixer or ready mix truck drum. After all ingredients are added, the drum should be turned at mixing speed for 5–7 minutes. Sika® Lightcrete Powder will increase the material volume 20–35 %. Controlled Low Strength Material (CLSM) can be placed directly from the ready mix truck.

LIMITATIONS

Superplasticizers, water reducers and dispersants may reduce the effectiveness of Sika® Lightcrete Powder.

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 ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

Sale of Sika products are subject to the Terms and Conditions of Sale which are available at <https://usa.sika.com/en/group/SikaCorp/termsandconditions.html> or by calling 1-800-933-7452.

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