

Sika® Lightcrete Powder

Flowable Fill Admixture

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.
Applications	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.
Benefits	<ul style="list-style-type: none">■ 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.
How to Use	
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). 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.

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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.
Packaging	1 lb. water soluble bag, 24 bags/case, 720 bags/pallet
Storage and Shelf Life	Shelf life when stored in dry warehouse conditions between 50°F and 80°F (10°C - 27°C) is one year in unopened bag.

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

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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 shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor.

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Quality Certification Numbers: Lyndhurst: FM 69711 (ISO 9000), FM 70421 (QS 9000), Marion: FM 69715, Kansas City: FM 69107, Santa Fe Springs: FM 69408



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