

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. Sika® Lightcrete Powder is environmentally safe and compatible with all conventional CLSM materials.

Where to Use 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 of abandoned underground structures such as culverts, pipes, tunnels, storage tanks, wells, sewers, etc.

- Advantages**
- Water-soluble bag readily breaks down even in very fluid mixes.
 - Eliminates exposure of operators to chemicals.
 - Easy handling and storage (dry powder).
 - 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.
 - Compatible with all conventional CLSM materials.
 - Does not contain no calcium chloride or other corrosive agents.

Typical Data

Packaging	454 g (1 lb) water soluble bag, 24 bags/case, 720 bags/pallet
Colour and Form	White powder
Shelf Life and Storage	1 year in original, unopened packaging. Store dry between 10° - 27°C (50° - 80°F).

How to Use

Dosage Dosage rates will vary according to materials used, ambient conditions and requirements of a specific project. Sika recommends to use 10 bags of 454 g (1 lb) to produce 8 cubic meter of CLSM or 1 bag of 454 g (1 lb) for 1 cubic yard.

Dosage rates outside the recommended range may be used when unusual project conditions require special consideration. In this case, contact your Sika Canada Technical Sales Representative for further information.

Mixing Sika® Lightcrete Powder should be added to the drum with the primary batched 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.

Clean Up Use personal protective equipment (chemical resistant goggles/gloves/clothing). Without direct contact, remove spilled or excess product and place in suitable sealed container. Dispose of excess product and container in accordance with applicable environmental regulations.



Construction

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the **most recent Material Safety Data Sheet** containing physical, ecological, toxicological and other safety-related data.

KEEP OUT OF REACH OF CHILDREN
FOR INDUSTRIAL USE ONLY

The information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions, within their shelf life. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request or can be accessed in the Internet under www.sika.ca.



Sika Canada Inc.
Head Office
601 Delmar Avenue
Pointe-Claire, Quebec
H9R 4A9

Other locations
Toronto
Edmonton
Vancouver

1-800-933-SIKA
www.sika.ca

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Special Applications
Sika® Lightcrete Powder