



Lancaster Lime Works  
NATURAL LIME FOR PRESERVATION AND BUILDING

## Fine Sand Lime Mortar

**Product Name:** Fine Sand Lime Mortar

**Manufacturer:**

Lancaster Lime Works  
1251 Beaver Valley Pike  
Willow Street PA 17584  
717.207.7014  
<http://lancasterlimeworks.com>

**Product Description:**

Lancaster Lime Works Fine Sand Lime Mortar is a non-hydraulic, pre-mixed lime-sand mortar. It is made by mixing our high-calcium (98% +), High PH (12+), carbonating, high surface area, low-magnesium, (slaked) lime putty (calcium hydroxide) with properly graded, quarried (not manufactured) sand. The stucco is aged for at least one month in the bucket with the surface covered with water to prevent carbonation. It will keep like this indefinitely as long as carbon dioxide is excluded.

Designed to replace historic lime-sand butter joint mortar. With high plasticity and superior workability, it forms a strong bond with masonry units and ensures joints of excellent tensile and compressive strength.

**Basic Use:**

Lancaster Lime Works Fine Sand Lime Mortar is excellent for application when laying or repointing 1/8" -1/4" bricks, providing excellent strength, durability, breathability, and flexibility. It is especially suitable for very porous and soft masonry units.

Fine Sand Lime Mortar must be applied to a thoroughly dampened surface for successful curing and adhesion. Curing occurs when mortar slowly dries out over approximately 48+ hours (this is called the carbonation process), and applying to dry masonry or any porous substrate without dampening could lead to flash drying and mortar failure. Protect installed mortar from drying heat and winds and frost. Allow 2 weeks of warm weather conditions (above 40 deg F.) for proper curing.

Mortar should be re-mixed in the bucket or in a vertical shaft mixer for 5-10 minutes after surface water has been removed and saved for reuse before mixing prior to each use to provide correct workability. If installation is to be done with a syringe, more water should be added, however installation instructions should be followed.



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This is a non-hydraulic mortar, and installers should thoroughly familiarize themselves with the LLW Installation Guide, which can be found on the website.

Lancaster Lime Works Fine Sand Mortar is packaged in 5 gallon plastic pails with lids. A small layer of water is placed on the top of the mortar in the pail at time of manufacture to keep carbon dioxide out. This should be removed before mixing and saved for reuse.

Compatible with Lancaster Lime Works Limewash.

### Limitations:

Alkali-stable pigments can be used up to 20% of the dry binder weight of the mortar. Other additives should not be used. Installations should not be waterproofed or sealed in any way. Not recommended for below-grade exterior applications, or for locations that are constantly wet. Cleaning should be done with very weak acids (such as white vinegar), being careful to rinse masonry with clean water before and after. Cleaning with acid degrades surface lime and leaves behind salts which can later cause efflorescence.

Contractors are responsible for ensuring that installers are properly trained in the correct application of the product. Training is offered by LLW.

### Technical Data and Services:

Available upon request. Call our offices at 717.207.7014.

### Safety/Health:

Refer to SDS for safety information. Caustic. Wear eye and skin protection at all times when handling.