



Lancaster Lime Works  
NATURAL LIME FOR PRESERVATION AND BUILDING

## Lime Stucco/Plaster Base Coat

**Product Name:** Architectural Lime Stucco Base Coat

**Manufacturer:**

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

**Product Description:**

Lancaster Lime Works Base Coat Stucco/Plaster Mortar is a non-hydraulic, pre-mixed lime-sand mortar. It is made by mixing 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 mortar 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 all historic lime-sand stuccos, it reduces the absorption of water by masonry units, and allows rapid escape of moisture. 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 Base Coat Stucco Mortar is excellent for application over a wide variety of brick, stone and various types of lathe providing excellent strength, durability, breathability, and flexibility. It is especially suitable for very porous and soft masonry units.

Base Coat Stucco/Plaster Mortar must be applied to thoroughly dampened masonry for successful curing. Curing occurs when mortar slowly dries out over 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 just prior to each use to provide correct workability. Water should not need to be added, and surface water should be removed and saved for reuse before mixing. Over-wetting the mortar will lead to voids in the joints that compromise structural integrity.



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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 Base Coat Stucco/Plaster 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.

Product Identification: The Lancaster Lime Works Stucco/Plaster base coat is identical material to each other.

Compatible with Lancaster Lime Works Limewash for topcoat application.

### 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:

Ratio of lime to sand is 35% lime and 65% sand.

Our sand is specially sieved and cleaned for use with our lime plaster/  
The purpose of the lime to sand ratio is for the lime to only fill the void space between the particles of sand. Too much sand and the plaster will have voids, too much lime and the sand particles will be pushed a part and the result of either is a weak material.

Other information 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.