



Lancaster Lime Works
NATURAL LIME FOR PRESERVATION AND BUILDING

Pozzolan

Product Name: Pozzolan

Manufacturer:

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

Product Description:

This pozzolan is a natural clay which becomes reactive when mixed with lime putty mortar. Lancaster Lime Works Mortars are non-hydraulic, that is, the mortar hardens by reacting with the carbon dioxide in the air and will not harden under water. However, in some situations, using an hydraulic mortar can be advantageous, such as in very damp conditons, where carbon dioxide is not present or where a faster set time is needed. To make a non-hydraulic mortar into an hydraulic mortar, certain kinds of minerals can be added in small percentages. These additives are called pozzolans. The pozzolan that Lancaster Lime Works supplies will not adversely affect the breathability of the mortar.

Basic Use:

Use one part of pozzolan for every five parts of premixed lime putty mortar. This will be 3 lbs of pozzolan per five gallon bucket of mortar. Before adding the pozzolan to the mortar, add clean water until a sour cream consistency is acheived. A kitchen wisk or beater attachment can be helpful for mixing the water into the pozzolan. After the pozzolan is thoroughly wetted and of a thick sour cream consistency it can be added into the lime putty mortar. Once the pozzolan has been added to the mortar, install the lime putty mortar as per manufacture's instructions.



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Limitations:

Adding the pozzolan must be done only just prior to use as the mortar will start to set once the pozzolan is added. Less pozzolan can be added for less of a hydraulic set.

Lancaster Lime Works has not performed compression testing or any other testing with pozzolan added to their lime putty mortars and does not warrant or guarantee results.

Please note that the use of pozzolan could possibly change the color of the mortar.

The use of a scale is highly recommended.

Safety/Health:

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