

## **HERITAGE LIME PUTTY STUCCO/PLASTER WITH CEMENT POUCH**

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### **Product Highlights**

This heritage stucco/plaster blend consists of pre-blended lime putty and sand that is packaged with a cement pouch that is added at the jobsite. The product is applied in two coats, packaged as a base coat and a finish coat. It is compatible with many historic wall systems, offers moderate flexibility, and is long-lasting. This product is also breathable, which prevents moisture from becoming trapped in the wall system. This stucco formulation is specifically designed for the restoration of lime stuccos and plasters that were installed between 1872-1931, when portland cement began to appear in stuccos and plasters.

A two-coat application is suitable for exterior stucco work with an overall thickness of approximately 5/8" (15 mm). Base coat: 3/8" (coverage is 12 sq. ft. when applied 3/8 to 1/2 inch deep), Finish coat: 1/4" (Coverage is 18 sq. ft. when applied at 1/4"). Once the portland cement pouch has been added the product has approximately two hours of working time.

This product should be finished with a three-coat application of limewash.

### **Recommended Uses**

Recommended for buildings that were constructed between 1872 and 1931.

### **Mixing Instructions:**

The product is ready to use with the addition of the cement pack. Prior to installation mix the product for two minutes by mortar hoe or mixing drill with a paddle blade is needed at the site before application.

### **Surface Preparation:**

Follow good working practices to ensure that the wall surface is thoroughly clean. If you are using any chemical treatments check with the manufacture to ensure that these chemicals will not react with the stucco. Any rebuilding or repointing should be carried out and allowed to cure a minimum of 72 hours before stucco work starts. Clear any loose mortar or deteriorated masonry material. Apply sufficient water to the wall surface to reduce excessive suction, especially on old brick and porous stone. This application of water should be done the day before several times with the last dampening just before the application of the base coat starts. Apply water starting at the top of the wall. Old brick require more water than new brick, and concrete block requires more water than most stone. As a result, the top of the wall will dry out faster than the bottom. In applying the base coat this means that scouring back and keying of the lower section might be done later than the upper section. Always dampen areas before applying the next coat.

### **Application Procedures**

The base coat must provide a mechanical key for the finish coat to adhere. Make sure to add just enough water to obtain the desired workability. Too much water in the base coat can lead to shrinkage cracks. A troweled scratch coat is preferred on old brick or soft surfaces. The thickness of the base coat will depend upon the nature of the background. The normal thickness of the base coat should be 3/8" (10 mm). Scour back and key the base coat (criss-cross keying preferred) once the material has taken its initial set and is thumbprint hard.

The base coat must not exceed 3/4" (20 mm). If this thickness is required two intermediate coats each not above 3/4" (20 mm) should be applied. Note: Base coat should be applied firmly to exclude air and any excessive moisture. Always apply this material on damp surfaces. Always dampen surface of previous coat before applying next coat.

Apply finish coat to damp base coat surface using trowel. Apply firmly not to exceed 1/4" (6 mm) in thickness. Make sure to add just enough water to obtain the desired workability. Too much water in the finish coat can cause a higher risk of shrinkage cracks. To create a smooth lightly textured surface use a wooden float in circular motions after the material is thumbprint hard.

### **Curing Procedures:**

Acceptable curing methods include covering the stucco or plaster installation with plastic sheeting; periodic hand misting; and/or periodic mist spraying using a system of pipes, mist heads, and timers. Adjust curing methods to ensure that the stucco or plaster is damp without eroding the surface of the mortar. Curing methods will vary in different parts of the country and at different times of the year, calling for different amounts of water to be used in the wet-and-dry cycles. Adjustments also have to take into account how much time is remaining before freezing weather arrives.

**PRODUCT  
DATA  
SHEET**

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Because this formulation contains portland cement as an ingredient the wet/dry cycles required for straight lime mortars is not required for optimum performance. This mortar should not be exposed to temperatures above 85 degrees F or below 40 degrees during the curing cycle. The full carbonation cycle can take up to 28 days, and longer depending on the weather conditions. This mortar should not be installed when there is a danger of freezing temperatures unless it is enclosed and protected from temperatures below 40 degrees F.

**Clean-up:**

Clean tools with water.

**Safety Requirements:**

Contains portland cement, hydrated lime and silica sand. May be irritating to eyes and nose. Prolonged inhalation may cause delayed lung injury, including silicosis and possible cancer. Avoid contact with eyes and skin. Wash skin thoroughly with water after handling. In case of eye contact, flush with plenty of water for at least 15 minutes. If irritation persists, consult a physician immediately. Dust mask, gloves and eye protection is recommended when handling or opening this package.

KEEP OUT OF REACH OF CHILDREN.

**Limitations:**

Product must be used within two hours of adding the portland cement pack. Do not use muriatic acid or other acid-based cleaning chemicals on lime stucco or plaster.

**Storage:**

If you have opened the bucket but do not plan to use the material immediately and you have not added the portland cement pouch, pour one inch of water on the top of the material and cover with plastic sheet or burlap and reseal the bucket. Once the portland cement pouch has been added the working time is two hours.

**Shelf Life:**

This material can be kept indefinitely if every three months the material is inspected and remixed adding water as needed.

**Limited Warranty**

U.S. Heritage Group, Inc. warrants this product to be of merchantable quality when used or applied in accordance with the manufacture's instructions. This product is not warranted as suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is LIMITED to the replacement of the product (as purchased) found to be defective, or at the shipping companies' option, to refund the purchase price. In the event of a claim under this warranty, notice must be given in writing to U.S. Heritage Group, Inc., 3516 North Kostner Ave., Chicago, IL 60641. THIS LIMITED WARRANTY IS ISSUED AND ACCEPTED IN LIEU OF ALL OTHER EXPRESSED WARRANTIES AND EXPRESSLY EXCLUDES LIABILITY FOR CONSEQUENTIAL DAMAGES.