



HERITAGE LIME PUTTY PLASTER

TYPE L

Product Data Sheet

Description and Use

Heritage Lime Putty Plaster – Type L is an engineered factory-blended plaster and stucco, designed to match the performance characteristics of traditional lime-sand mixes, that facilitates safe and durable repairs of plaster and stucco for buildings originally constructed without portland cement.

The single component lime-sand based formulation is pre-blended and ready to use for plastering and stuccoing, no additions needed. Formulated only from aged high calcium slaked lime putty, engineered aggregate blends, and mineral pigments (upon request), Heritage Lime Putty Plaster – Type L contains no cements, pozzolans, polymers, or admixes of any kind. Type L plasters are a softer, more permeable and flexible plaster formulation than modern portland cement plasters, providing outstanding protection of masonry units from moisture buildup and salt migration (efflorescence).

Heritage Lime Putty Plaster – Type L should be used when mortar analysis and/or date of construction indicates no hydraulic cement was used. Type L is always recommended for extremely soft, friable masonry units. Application conditions of persistently damp masonry or extreme exposure require further consideration, contact USHG for technical advice. Characteristics of aged high calcium lime putty slaked from quicklime include high purity, high water retention, high plasticity and small particle size. Slaked lime putty can be re-worked indefinitely before drying due to its non-hydraulic carbonation cure. High calcium slaked lime putty is capable of drawing the damaging soluble salts that cause efflorescence from salt-saturated masonry.

Repairs to plaster over masonry walls should only be attempted using appropriate materials, tools and techniques and only by educated/trained installers. Many homeowners can successfully execute patching and small repairs. Structural repair conditions should be evaluated by professionals. Installation guides and training/certification, offered by US Heritage Group, are strongly recommended for all installers.

Features and Benefits

- Authentic product formulation ensures compatibility with historic masonry units and plasters.
- Standard aggregate blends and color selection facilitates quick, convenient installation.
- Custom-matched aggregate profiles and colors produce unbelievable visual accuracy.
- USHG provides unmatched product and project support, for one pail or hundreds, to ensure excellent results for every installation.

Sales, Product and Project Support

US Heritage Group supports, sells and ships all products directly to ensure we consistently deliver the highest quality results possible. Contact USHG for a variety of support services:

- Specifier education
- Project-specific technical advice
- Specification guides and support
- Custom color and aggregate matching
- Installation guides and training

Packaging and Coverage

3.5-gallon plastic pail
(46lbs. material weight)

0.33 cubic feet of material

See USHG **Installer Guide to Products and Services** for unit coverage and cost estimations

Limited Warranty

U.S. Heritage Group, Inc. warrants this product to be of merchantable quality when used or applied in accordance with the manufacturer'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., 2900 North Kearsarge 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.

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Surface Preparation

Successful installation relies on proper surface preparation that involves careful evaluation, cleaning of masonry and plaster removal. Do not attempt to plaster walls with higher than 20% WME. For additional surface preparation details see **Heritage Lime Plaster Installation Guide** then contact USHG with project-specific issues.

1. Clean masonry units as needed to remove soiling, efflorescence, coatings, etc.
2. Remove and repair or replace any unsound masonry units and bedding mortar.
3. Square-cut joints to min depth equal to the application thickness.
4. Clean surfaces to remove all dust and debris.
5. Dampen masonry unit joints to surface-saturated dry condition, starting from the top of the wall.
6. Protect installation area from rain, sun, high winds, and extreme hot and cold temperatures before, during and after pointing.

Mixing Instructions

Lime putty plaster ships pre-blended and pre-mixed but can stiffen up during storage. Mortar should be mixed if necessary, just prior to use, by hand using a mortar hoe, or shovel. Mechanical mixing can be accomplished by paddle drill or vertical shaft mixer. Standard paddle (horizontal shaft) mixers are not recommended for drier pointing mix.

1. Mix material 5 minutes by hand and drill or 3 minutes in vertical shaft mixer
2. Evaluate Mix Consistency and add water to adjust. Only add water if necessary, after mixing in measured increments. Weeping or flowing plaster is too wet.

Application

Plaster should be installed in coats of the appropriate thickness based on the aggregate size, typically ¼”-½”. Do not attempt to remove any freshly installed wet plaster.

1. When installing plaster divide overall depth into appropriate thicknesses based on the aggregate size of the plaster or plasters.
2. Plaster can be hand applied by trowel using stipple, harl or splatter dash method, or can be mechanically applied by sprayer.
3. After the plaster is applied to the wall, trowel or screed it to level and smooth the plaster surface.
4. If additional coats will be applied, horizontally scratch the plaster to create a key for the next layer.
5. Allow the plaster coat to cure for at least 1 week before applying additional coats (see Curing).
6. If the final coat of plaster has been applied, float the surface into the desired texture.

Cleaning

This section applies only to removal of installed lime plaster residue. Masonry should be cleaned before plaster application. Do not use metal scrapers or brushes. Do not use acidic or alkaline cleaners.

1. **Immediately after installation of plaster during thumbprint hard and surface dry condition:** thoroughly clean the exposed masonry surfaces of excess plaster. Use dry wood scrapers, stiff-nylon or fiber brushes. Do not use water to clean uncured mortar!

Finishing

For best results plaster should be finished immediately after installation as soon as initial “thumbprint hard” condition is reached.

1. Dampen surface prior to finishing.
2. Use a float to texture the finished surface of the plaster.
 - a. For interior fine finishing use a metal or plastic float
 - b. For exterior rough finishing use a wood or grid float
3. Immediately dampen floated surface to support curing process.

Curing

Lime plaster cures slowly by carbonation initiated by cycling wet and dry conditions. Uninterrupted execution of the curing process, immediately after installation, is essential to achieve proper mortar performance. Protect plaster from driving rain, sun, high winds, and temperatures above 90 or below 40 degrees during initial curing cycles. Protect lime putty plaster from freezing for 28 days after installation.

1. Dampen fresh plaster using pump sprayer or garden hose on mist setting.
2. If shrinkage cracks begin to appear in the first 24 hours the plaster can be reworked to reduce or eliminate the appearance of the cracks.
3. Allow the plaster to dry until surface color lightens.
4. Repeat the misting procedure until the wall has gone through 9 wetting and drying cycles, typically over the first 3 days.

Storage and Shelf life

Save any unused material and return it to the original shipping bucket. Pour one inch of water on the top of the material and cover with plastic sheet or burlap and reseal the bucket. Protect from freezing, extreme heat and direct sunlight. This material can be kept indefinitely if damp condition is maintained. Inspect and remix every 3 months adding water as needed. Dispose of containers with any material that has dried.

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