

ecologic[®] MORTAR *Customized*

Made-to-Order Lime Mortar for Brick or Stonework, Repointing, Stucco and Parge Coats
FOR PROFESSIONAL MASONRY RESTORATION AND SUSTAINABLE BUILDING SYSTEMS

ENVIRONMENTAL REQUIREMENTS

Handle and store pails to protect from damage and moisture. Take precautionary measures to assure that excessive temperature changes do not occur. Do not apply unless a minimum ambient temperature of 40°F and a maximum of 85°F can be maintained for at least 24 hours prior to application and until the work has cured for 72 hours. During hot weather, protect from uneven and excessive evaporation. As needed, place a humidifier in the room during curing. Cover exterior work by suspending burlap or jute a few inches away to prevent contact and avoid staining. Wet the work and coverings several times a day for a 3-day curing period to encourage a slow cure. Tarps may be hung outside of scaffolding to protect from hot sun, driving rain, and drying winds.

GENERAL APPLICATION

Do all the prep work and clean out the mortar joints before starting to repoint. To control suction, mist the substrate with water then apply the lime mortar before dampening is fully dry. Never apply to surfaces that are over saturated or have standing water. Start from the top of the wall and work your way down. Using a jointer that's 1/16" smaller than the joint, push the mortar into the horizontal joints. Apply enough pressure to bond the new mortar to the old mortar while thoroughly packing and slightly overfilling the joints. Follow the same procedure to pack and fill the vertical joints. Cut off any excess mortar and firmly press against the joints to reveal the edges of the bricks or stones. When the new mortar is thumbprint hard, lightly brush across the joints with a horsehair brush to remove loose particles. To antique the joints, tap the stiff mortar joints with a churn brush. Be careful not to smear any wet joints.

For stucco applications, to control suction, prewet porous surfaces then apply stucco before dampening is fully dry. Never apply to surfaces that are over saturated or have standing water. Hold a trowel at a 15° to 30° angle and start at the bottom and work upward. Begin at one end of the wall and continue to the other end, working each trowel full outward from the wet edge. To control cracking, apply in a uniform thickness of 3/16" to 3/8" for Fine grade or 3/16" to 1/2" for Coarse grade. Do not over work the material. Use a stainless steel plastering trowel so no black burn marks are left behind. Within 24 hours of application, rub closed any cracks that may form.

MIXING FOR POINTING

Using a drill mixer with a paddle attachment, start by combining 1/2 gallon of clean, potable water with the dry powder. Mix well for 3 to 5 minutes while slowly adding more water until desired workability is achieved. The mortar should be dry enough to form a ball when squeezed in the hand (not crumbly or soupy). Keep water ratios uniform

between batches to ensure consistency in material performance and appearance.

WORKING TIME

Mix enough mortar to use within 1 hour of beginning repointing work. Once applied, the working time ranges from 2 to 3 hours, depending on substrate suction.

AVERAGE COVERAGE

Repointing Standard Brick: 40-square-feet with joints 3/8" wide and 3/4" deep for 38.5 pounds.

Repointing Rubble Stone: 15-square-feet with joints 1" wide and 1 1/4" deep for 38.5 pounds.

Laying Standard Brick: 40 standard brick for 38.5 pounds.
Fine Grade Stucco: 9-square-feet at 3/8" thickness for 38.5 pounds.

Coarse Grade Stucco: 8-square-feet at 3/8" thickness for 38.5 pounds.

CURE TIME

Wet the work and breathable fabric covers several times a day during a 3-day curing period. The initial cure is 72 hours. The full cure takes 28 days.

SUITABLE SUBSTRATES

Repoint, point, or lay brick, stone, and masonry units. Acceptable substrates for stucco applications include previously applied lime plaster base coats such as cured

Ecologic[™] TAKCOAT[™] Platinum, Ecologic[™] TOPCOAT[™] Platinum Coarse or Fine, and Ecologic[™] Mortar.

SHELF LIFE

12 to 24 months if kept sealed and stored in a cool dry place and away from moisture.

SAFETY

May cause eye and skin burns. In case of contact with skin or eyes, flush with water for 15 minutes and contact a physician. Inhalation of the dust may cause coughing, sneezing, irritation, and inflammation of the upper respiratory tract. Wear adequate protective clothing, including goggles and an appropriate dust mask, to avoid prolonged contact. Harmful if swallowed.

DISPOSAL

Sweep and place bulk material in containers and properly remove for disposal. The final, cured product is not hazardous. Dispose of in a landfill following all local, state, and federal regulations.

FOR ADDITIONAL INFORMATION

3145 State Rd., Telford, PA 18969 • 215-536-6706
www.limeworks.us • admin@limeworks.us



Place Sticker Here:

- Custom Product Code
- Lot Number
- Bulk Density Weight

WARNING Exposure to very high air concentrations of free silica can cause an acute form of silicosis that may occur within one year after exposure begins. This condition may be fatal.

limeworks.us/wp-content/uploads/2017/03/ecologic-mortar-safety-data-sheet.pdf

Go to www.likeathis.com to see instructional videos filled with tips, techniques, and demonstrations showing how to use our products.

