



Saint-Astier[®] LITHOMEX Customized

Made-to-Order Brick, Stone, and Terracotta Surface Repair Material
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 45°F and a maximum of 85°F can be maintained for at least 48 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

The application surface must be clean and free from dust, oils, and flaking or unstable coatings. To control suction, mist the substrate with water and apply Lithomex before dampening is fully dry. Never install on surfaces that are over saturated or have standing water. Using a trowel, apply enough pressure to thoroughly bond the Lithomex to the substrate while packing and slightly overfilling the repair. Lithomex may be applied in layers of up to 2" thick in one pass. A minimum thickness of 3/16" is needed to dress or cut back the repair to a

featheredge when set. After a few hours, as needed, recompact by pressing the repair to restrain any slight shrinkage. Projection or molded work that extends more than 4" in depth may require pinning, dowels, wire supports, anchorage, stainless steel fixings, or forms. Within approximately 2 hours, rub down the repair to its final shape and profile using abrasive pads, knives, or straight-edges. Cured Lithomex may be further worked, tooled, dressed, and finished with traditional masonry tools, sculpting tools, sanding blocks, tungsten carbide abrasive sheet, and scratch floats. This detailing can be accomplished weeks after the final set to achieve the desired reproduction. For very finely jointed work or ashlar masonry with considerable damage to the rises, flush finish the Lithomex repair and strike false joints. Building details repaired with Lithomex will readily accept lime washes and mineral paints.

MIXING

Using a drill mixer with a paddle attachment, combine 1 gallon of clean, potable water with all of the dry powder. Mix well for 3 to 5 minutes while slowly adding sufficient water until desired workability is achieved. Small batches may be mixed manually with a whisk. Add approximately 8 ounces of water to 3 dry pounds of Lithomex. Keep water ratios uniform between batches to ensure consistency in material performance and appearance.

WORKING TIME

Simulation of stone and brick features, rough finishes, and false joints can be made in just a few hours after application (up to 24 hours in damp cold weather). Shaping and further details can be carried out weeks after application by carving using the appropriate tools.

AVERAGE COVERAGE (55 POUNDS)

- Brick or Stone Repair: 32-square-feet at 1/4" thick.
- Brick or Stone Repair: 16-square-feet at 1/2" thick.
- Brick or Stone Repair: 11-square-feet at 3/4" thick.
- Brick or Stone Repair: 8-square-feet at 1" thick.
- Brick or Stone Repair: 4-square-feet at 2" thick.

CURE TIME

The initial cure is 48 hours. The full cure takes 28 days.

SUITABLE SUBSTRATES

Surface repairs for sandstone, limestone, marble, brick, and terracotta. Lithomex can also be used on plastered areas to form decorative features such as moldings, cornices, and copings.

Use Ecologic™ LithoStep to repair stair treads and Ecologic™ LithoCast to cast exterior architectural elements for stone or concrete.

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 Road, 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/2019/11/st-astier-lithomex-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.

