

**MANUFACTURER'S SPECIFICATIONS**  
**Section 04525 – RESTORATION MORTAR: STONE PATCHING**

LITHOMEX

**PART 1 – GENERAL**

1.1 Summary

- A. This Section includes Lithomex restoration mortar system.
- B. Related Sections
  - 1. Section [ \_\_\_\_\_ – \_\_\_\_\_ ]: Wall substrate surface.

1.2 Performance Requirements

- A. Patching material to have characteristics similar to the most masonry.

1.4 Submittals

- A. Section 01330 – Submittal Procedures.
- B. Product Data: Submit data on patching materials, characteristics and limitations of products specified.
- C. Samples: Submit two samples, [ \_\_ inch by \_\_ inch], illustrating finish color and texture on pieces of appropriate masonry.

1.5 Quality Assurance

- A. Perform Work in accordance with Manufacturer's Instructions.

1.6 Qualifications

- A. Manufacturer: All Lithomex shall be obtained from:  
TransMineral USA, Inc.  
201 Purrington Road  
Petaluma, CA 94952  
707-769-0661  
707-769-0352 Fax  
www.limes.us  
www.transmineralusa.com

or its authorized distributors.

- B. Installer: Company specializing in performing similar work with a minimum of three (3) years experience.

#### 1.7 Pre-Installation Meetings

- A. Section 1300 – Administrative Requirements: Pre-Installation Meeting.
- B. Convene minimum one week prior to commencing work of this SECTION.

#### 1.8 Environmental Requirements

- A. Materials are to be stored and handled to protect them from damage and moisture in accordance with Manufacturer's instructions.
- B. Provide environmental conditions at areas where Work of this SECTION is being performed to allow patching mortar to properly cure.
- B. Take precautionary measures necessary to assure that excessive temperature changes do not occur.
- C. Do not apply patching mortar unless minimum ambient temperature of 45 degrees F and a maximum of 85 degrees F has been and continues to be maintained for a minimum of 48 hours prior to application and until plaster is cured.
- D. Hot Weather Requirements: Protect from uneven and excessive evaporation during dry, hot weather. [Provide tarping over the outside of all scaffolding.]

## **PART 2 – PRODUCTS**

### 2.1 Lithomex

- A. Manufacturer
  - 1. CESA – Imported and distributed by TransMineral USA, Inc.
  - 2. Substitutions not permitted.

## 2.2 Mixes

- A. Mix only as much patching mortar as can be used prior to initial set.
- B. Mix materials dry, to uniform color and consistency, before adding water.
- C. Protect mixtures from freezing, frost, contamination, and excessive evaporation.

## **PART 3 – EXECUTION**

### 3.1 Examination

- A. Section 01300 – Administrative Requirements: Coordination and project conditions.

### 3.2 Preparation

- A. Remove all loose particles and traces of contamination (oil, grease, vegetable growth, etc.)
- B. Remove anchor pieces that are rusted or loose. Remaining anchor pieces must be free of rust and treated adequately.
- C. Roughen substrate surfaces.
- D. Mist surfaces to reduce excessive suction.

### 3.3 Installation

- A. [Installation of Accessories:]
  - 1. [Install mechanical anchors.]
  - 2. [Anchors to be covered with \_" minimum patching mortar.]
  - 3. [Install pins and dowels.]
- B. Patching / Repairing
  - 1. Apply patching mortar to a minimum thickness of 3/16"..
  - 2. [Apply in thin layers up to a total thickness of 4" for projection work].
  - 3. [Apply in layers up to 2" in one pass.]

4. [Finish to match [stone] [brick] [joint] five (5) hours after application.]
5. [Finish slope and form details within 24 hours.]
6. [Carve details seven (7) days minimum after application.]
7. [Fine finish surface by [troweling at time of setting] [sanding with fine sandpaper after material has hardened (7days).]

#### 3.4 Adjusting

- A. Remove damaged or defective patching mortar by cutting and replace with new patching mortar to match adjacent surfaces.

#### 3.5 Schedules

END OF SECTION