

deGruchy's

LIME



WORKS.us™

Makers of



Brand  
Mortar & Plaster  
For Historic Restoration  
and Green Building

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Last Modified: Dec 7, 2015

## Ecologic™ Sand Mastic™

Sand Mastic™ is a specially formulated dry powdered blend of Hydraulic lime and well-grade sands. Sand Mastic™ is mixed on-site with independently purchased raw and boiled linseed oils not included with the product. The mastic produces a flexible horizontal pointing mortar which can be used between the juncture of masonry and wood elements or where movement joints may occur.

### **Mixing:**

A 50/50 mix of independently purchased raw and boiled linseed oil is first mixed together just before mixing with the Sand Mastic™ powder. A drill mixer with a paddle attachment is typically used for blending a full 32lb bucket of Sand Mastic™. Approximately ½ gallon of combined oil is typically used per 32lbs pail.

This represents about 1 quart raw linseed oil and 1 quart boiled linseed oil mixed together. The final consistency should be stiff enough to place and tool within a joint and remain standing up, in place, on its own.

### **General Application:**

Be sure to remove deleterious material and laitance in the area where Sand Mastic™ is to be used. The area should be free of standing water, debris and other oils. Use of a grout bag could be helpful but not required. A hawk and pointing iron can be used to apply Sand Mastic™. When finishing Sand Mastic™ use a smooth stainless steel trowel to achieve the desired joint profile. Backing material should be placed at a ¾" minimum distance from the finished front edge with no installed lift of Sand Mastic™ installed deeper than 2 inches. Priming raw wood jambs and the backing material can be accomplished by using the 50/50 Linseed oil blend just prior to installing the Sand Mastic™.

### **Environmental Requirements**

It is recommended to take precautionary measures to assure that excessive temperature changes do not occur. Do not apply Sand Mastic™ unless the minimum ambient temperature of 45°F (7°C) and the maximum ambient temperature of 85°F (29°C) continues to be maintained for a minimum of 48 hours after the application. During hot weather protect the work from uneven and excessive evaporation.

### **Working Time**

1 – 2 hours once mixed with oil. Any material that has been mixed with oil and let to sit over 12 hours should be discarded.

### **Cure Time**

Sand Mastic™ may remain soft for 2 weeks or longer depending on weather conditions and porosity of adjacent materials.

### **Shelf Life**

The dry Sand Mastic™ powder has a shelf life of 8 – 12 months if kept sealed and away from moisture and not mixed with the Linseed oil blend.

### **Safety**

GENERAL WARNING: THE RISK OF FIRE FROM SPONTANEOUS COMBUSTION EXISTS WITH LINSEED OIL

Oily rags, waste, and other oily materials can cause spontaneous combustion fires if not handled properly. Immediately after use, and before disposal or storage, you MUST (1) Spread out all oily materials outside to dry by flattening them out to their full size in an airy spot for 24 hours at temperatures above 40°F (8°C), or (2) Wash them thoroughly with water and detergent and rinse. Repeat until you have removed all oil from all clothes, tools, rags, paper, clothing, mops, and any

other materials contacted during use or as a result of an accidental spill. Make certain all wash and rinse water is disposed of properly. For more complete instructions on safely handling the independently purchased raw and boiled linseed oils refer to the individual manufacturers' safety precautions and MSDS reports. Wear adequate protective clothing and gloves to avoid prolonged contact with Sand Mastic™. Wear Goggles and a silica dust respirator when mixing dry Sand Mastic™ powder with linseed oil blend.

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