



**TYPE S PORTLAND LIME  
MORTAR DIVISION 4**

# TYPE S PORTLAND LIME

Maxi-Mix Type S Portland Lime is a pre-blended mixture of Portland cement, hydrated lime and brick sand. It is available in bulk or small bags. It is a specially formulated mix that conforms to the ASTM C-270 standard and is suitable for loadbearing/non-loadbearing applications. It is computer weighed and batched to meet the demands of the architects and the masons. It is available in natural grey or can be colored.

## USES

### SUITABLE FOR

- Suitable for laying concrete block, brick and stone.
- For exterior or interior loadbearing.
- For non-loadbearing walls as well as below grade use.

## MIXING PROCEDURES

### BULK

#### Maxi-Mix Built-In Auger Silo

Refer to “Start Up Procedures” on website.

#### Mason’s Mixer

Add sufficient water prior to dispensing dry mortar into mixer. Add water and dry mortar to desired quantity and consistency.

### BAG

Add approximately 4 liters (1.0 US gal) per 66 lb bag. Place 75% of water into empty mixer. Slowly add dry premix. Mix for 6-10 minutes. Add water to reach desired consistency.



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## PROPORTION SPECIFICATIONS

### ASTM C270

Portland Cement Type 1	ASTM C150	1 part
Hydrated Lime Type S	ASTM C207	over 1/4-1/2
Mason Sand	ASTM C144	2 1/4-3 times the sum of the volumes of cementitious materials

## PROPERTY SPECIFICATIONS

### ASTM C270

Average Compressive Strength at 28 days, min.	1800 psi
Water Retention, min.	75%
Air Content, max.	12%

## APPLICATION

Spread a uniform coat of mortar on the surface of the masonry unit to be applied. Apply mortar on one end of the free unit and position against unit in place. Tap unit down to be level with adjacent unit. Remove excess mortar off face of units, set level on top and tap level to ensure units are level. Ensure full head and bed joints. Tool joints with jointing tool when mortar reaches thumbprint hardness. Tooling too early will result in a mortar surface curing lighter in color. Tooling too late can burn the mortar and result in a darker shade.

**Note:** Mortar should be used up within 1 ½ hours following mixing if temperature is equal to or higher than 25 °C (77°F). If temperature is lower than 25°C (77°F), use within 2 ½ hours. Discard unused mortar.

## COVERAGE

One ton of Maxi-Mix Type S Portland /lime mortar yields approximately 240-275 concrete blocks (8”).

A 66 lb premixed bag will yield approximately 7-10 concrete blocks (8”).

## SAFETY

Maxi-Mix Type S Portland/ lime mortar is corrosive and may cause skin and respiratory system irritation. Wear rubber gloves, safety glasses and NIOSH approved respirators (N95 rating or greater) for dust, specifically when using the product from a bulk silo gravity operation using a mechanical mixer.

Refer to the SDS sheets on our website at [www.maximix.ca](http://www.maximix.ca).

## WARRANTY AND DISCLAIMER

Maxi-Mix warrants that this product meets the specifications noted in this technical data sheet at the time of manufacture. Since the application methods and field conditions are outside Maxi-Mix's control, no other warranties, express or implied, including warranties of merchantability or fitness for a particular purpose, are given. Maxi-Mix's responsibility is limited to either replace or refund the cost of any product which is proved not to meet the specifications.

The information, applications instructions and recommendations provided herein are based on Maxi-Mix's knowledge of the products when properly stored, handled and applied under normal conditions, and are believed to be accurate, but no warranties, express or implied, are made or should be inferred with respect thereto.

Users should test this product to determine acceptability and suitability for their own intended use.