



Product Description: Available in both Limestone and Oystershell Mortars, Virginia Lime Works Traditional Hot Lime Mortar is a ready to use lime mortar. It is used primarily for work in for Historic Preservation but can also be used in New Construction and Ecologically Friendly Building. Virginia Lime Works Traditional Hot Lime Mortars offer low compressive strengths and high vapor permeability, high sulphate resistance, extended working times, and nearly unsurpassed workability.

About Virginia Lime Works Traditional Hot Lime Mortar: The binder for our Traditional Hot Lime Mortar is a quicklime that is made of high calcium limestone (95% or greater calcium carbonate) or oyster shells. Our Firing temperatures range from 1650°F (900° C) at the beginning of dissociation to 1900° F (1040°C) during the peak of the lime burning. This wood-fired quicklime is then taken fresh from the lime kiln and mixed with sands and water in a roller pan mixer. The moisture from the sand and the additional water slakes the lime and the mixture quickly becomes a cohesive lime mortar. This was a common method of mixing mortar for masonry construction.

Product Uses: Brick and Stone Masonry, Repointing.

Possible Volumetric Mix Design by Applications*

Our Hot Lime Mortars can be mixed in a variety of designs for various applications.

Brick Masonry/Repointing: 1 part quicklime to 3-4 parts sand
Stone Masonry/Repointing: 1 part quicklime to 3-4 parts sand

**These mixes represent general purpose mortars, richer or leaner mixes may be required depending on application.*



Mixing Directions for Mortar or Plaster: Virginia Lime Works Traditional Hot Lime Mortar is a pre-mixed product that is ready to use straight from the container. See "Reworking"

Pre-Care: On the day prior to working control absorption by thoroughly dampening substrate by fine mist spray (depending on conditions this may entail dampening for additional time). Ensure there is no standing water or over-saturation before application. If the substrate is retaining moisture it may be attributed to various conditions which would need to be corrected before work begins. Issues such as detailing, positive drainage, etc. should be dealt with before repointing commences.

Reworking: It is possible for Traditional Hot Lime Mortar to be re-worked and reused for up to extended periods of time. However, if when re-working the mortar, a significant addition of water is needed or if the material has been left out for too long, the mortar may have already carbonated to a degree to make it un-usable. To re-work Hot Lime Mortar, beat or ram the mortar with a pestle or "beater" and turn until the mix is to desired consistency. Hot Lime Mortars can be re-worked in a standard paddle mortar mixer if necessary.

Post-Care: Protect work from drying winds, frost, direct sun, and rain for at least 28 days, although some conditions may deem it necessary to cure for longer periods of time. Allow the mortar to cure slowly during this time by protecting with burlap, plastic, and fine mist spray if necessary. If working in freezing conditions, care must be taken that the mortar does not freeze during its curing (which may entail protection for extended periods of time).

MORTAR GRADE INFORMATION FOR APPLICABLE HOT LIME MORTARS (GUIDE ONLY)**

	★★★★	★★★★	★★★★	★★★	★★	★	★	★
	Very High	High	Moderate	Low	Very Low			
Mortar Class	lime	Mix Design	Capillarity	Frost Resistance	Sulphate Resistance	Frost & Sulphate Resistance	Carbonation	
		binder/sand						
A	Quicklime	1/3	★★★★★	★★	★★★★★	★	★★★★★	
B	Quicklime	1/2	★★★★★	★★	★★★★★	★	★★★★★	

**Please see our complete Mortar Grade Information Chart for information on mix designs and applications.