

# Mixing & Using Instructions Gunmax

## Storage

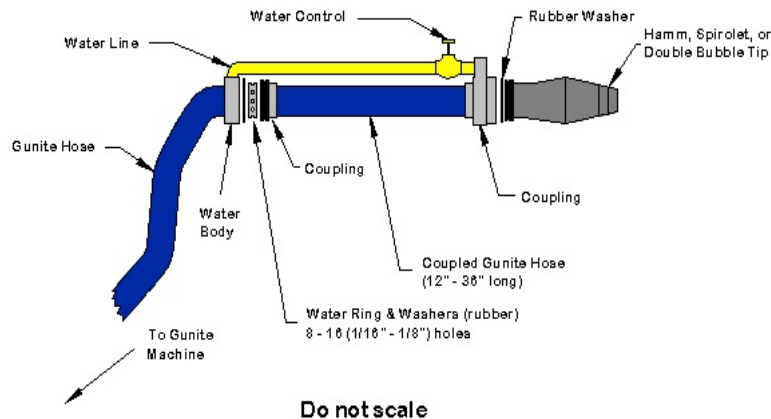
Gunmax must be stored in a temperature controlled area (50°F - 80°F) that is out of direct sunlight and protected from moisture.

Gunmax, when shipped, are wrapped in plastic that protects them from short term weather exposure. Storage outdoors in any weather condition is not recommended.

## Equipment

A pneumatic placement device - Allentown or Reed gun recommended. Suitable gunnite hose, Hydromix Column nozzle (see sketch below), water pump to supply pressurized water at the nozzle.

**TYPICAL HYDROMIX NOZZLE**



Optional: A minimum of a three to four cubic foot paddle type mixer.

## Site/Equipment Preparation

All equipment must be clean and free of old refractory and foreign contaminants.

The water supply must be drinkable and cool; preferably below 60°F.

Wooden forms and porous back up material must be waterproofed to prevent absorption of water from the castable.



All metallic anchors and reinforcing systems must be painted or coated to allow for expansion and to prevent the Gunmax from cracking.

Any existing refractory must be clean and free of dust and loose debris and be dampened immediately before placing Gunmax.

### ***Mixing (optional)***

Dry mix Gunmax for a minimum of thirty seconds.

Gunmax can be placed with or without predampening. If predampening is desired, add up to 3% water and mix up to five minutes.

### ***Gunning/Placing***

The ideal ambient temperature for placing Gunmax is between 50°F and 80°F.

The recommended minimum constant air supply is 300 CFM@100 psi.

The recommended minimum constant water supply is 100 GPH@60 psi.

Apply to full thickness in one application. Trim the edges if necessary, but do not trowel the surface.

It is very important to us the Hydromix Column in association with the gunite nozzle to insure low rebound, highest strength and long service life.

### ***Curing/Heat Up***

Allow Gunmax to cure between 50°F and 80°F for 24 to 48 hours after placing before applying any heat. Do not allow to freeze!

Do not remove forms until the Gunmax is completely set; typically 15 to 24 hours after casting.

Protect the surface from significant air drying during the ambient curing process.

Follow the Gunmax heat up schedule for maximum life.

### ***Important Note***

Admixtures, dirty/hot water, a dirty mixer, excessive water, or over mixing will affect the density, strength, setting characteristics, and ultimate performance of Gunmax.

