



# TECHNICAL DATA & PRODUCT DESCRIPTION

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For the best results, a minimum of 50% more mixing time is desired. Slump may be increased later, if desired, using plain water, followed by 5 minutes of additional mixing by transit mixer.

## Continuous Mixing Operations:

**Determining dosage of ALPHA MIX:** Calculate the volume needed at 10 ounces of ALPHA MIX per 100 pounds of portland cement. Calculate the amount of mix water needed per 100 pounds of portland cement. This will provide your ratio of ALPHA MIX to the mix water. (For example, if the calculations show that 5 gallons of mix water are required per 100 pounds of cement, the the water in the tank should be treated at the rate of 10 ounces of ALPHA MIX per 5 gallons of water.)

## SECTION 6: PRECAUTIONS

1. **NEVER ADD ALPHA MIX TO READY-MIX. ONLY ADD TO THE MIX WATER.**
2. Undiluted ALPHA MIX may etch glass or dull shiny aluminum and can be difficult to remove from other surfaces once it dries.
3. For more information read Material Safety Data Sheet.

## SECTION 7: TECHNICAL DATA

**Physical:** Liquid  
**Color:** Cloudy white  
**Odor:** None  
**Specific Gravity:** 1.10  
**pH:** +/- 11.5  
**Flash Point:** None  
**Flammability:** None  
**Toxicity:** None  
**Pollants:** None  
**Hazardous Vapors:** None  
**VOC / VOS Content:** none  
**Spill Clean-up:** Water Flush (Sewer Safe)  
**Environmental Impact:** None / Neutral  
**User Status:** Friendly

## SECTION 8: SOME ADVANTAGES

- Converts normal mix designs to high performance ones
- Quicker and Easier Concrete Placement
- Adds Workability by Increased Lubricity
- Stronger Bond of Concrete to Steel
- Decreases Cementitious Material Waste
- Greater Density and Less Permeability
- Reduces Bleed Water Volume
- Reduced Shrinkage and Cracking
- Reduced Honeycombing and Laitance
- Reduced Leaching and Efflorescence
- Reduced Slab Curl Potential
- Reduced Internal/External Dusting Potential
- Reduced Rate of Absorption
- Greater Freeze-Thaw Resistance
- Increased Flexural Strength
- Increased Compressive Strength
- Increased Acid / Chemical Resistance
- Lowers Internal Chemical Reaction Potential
- Lowers Chloride Induced Corrosion Potential
- Greatly Improves Durability
- Improves Surface Abrasion Resistance