

Alpha Mix

Environmentally Safe



SUMMARY INTRODUCTION

ALPHA MIX is a safe user-friendly liquid, that when added to a portland cement mix, effectively, and without complexity, converts a conventional portland cement concrete design into very workable, high-performance / high-quality / high-durability concrete mix. This "converter" product possesses unique ability to consistently and significantly enhance every critical performance criteria (including permeability) that is associated with portland cement concrete.

ALPHA MIX is an extremely unique one of a kind product which provides portland cement concrete mixes with the most maximum and most beneficial degree of hydration currently possible, generating the consistent production of significantly increased volumes of hydrate product (C-S-H), during hydration, in a shorter period of time than in a normal mix, producing significantly increased volumes of C-S-H which greatly lower the resultant concrete's capillary pore sizes while also increasing the utilization of the concrete's available mix water volume, which significantly diminishes the concrete's end-result and ultimate permeability factor. **ALPHA MIX** poses no threat to our environment nor does it require special handling, storage, or curing procedures, plus it already has been thoroughly tested in the laboratory, and extensively utilized in a variety of projects.

As I'm sure you already know, today's concrete structures / pavements, etc., are becoming more and more complex while materials in concrete construction are progressively being required to meet more demanding standards of performance. To keep pace with performance standards in today's products for concrete enhancement they should also be developed with respect to durability, as well as improved performance consistency, so as to upgrade the performance and durability of our constantly decaying concrete infrastructure / pavements, etc. High-performance concrete is currently the most promising technology for enhancing portland cement concrete performance critical criteria, and **ALPHA MIX** is the most efficient, effective, and consistent method of consistently, without complexity, producing high-performance portland cement concrete.

For all of your masonry and concrete needs

SOME ADVANTAGES OF ALPHA MIX

- Quicker and Easier Concrete Placement
- Stronger Bond of Concrete to Steel
- Decreased Cementitious Material Waste
- Greater Density and Less Permeability
- Reduced Shrinkage and Cracking
- Reduced Water Bleeding
- 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
- Lower Internal Chemical Reaction Potential
- Greatly Improves Durability
- Improves Surface Abrasion Resistance

ALPHA MIX is also

- Non-Toxic
- Zero VOC or VOS Content
- Environmentally Safe
- User Friendly
- Odorless
- Non-Flammable

