

ECT - CEMENT HYDRATION CATALYST



EVERLAST CONCRETE
TECHNOLOGIES



ADVANTAGES OF USING ECT- CHC :

- Converts regular mix designs to high performance mix designs
- Quicker and Easier Concrete Placement due to Increased Lubricity
- Stronger Bond of Concrete to Steel due to Increased Cementitious Material in concrete
- Greater Density and Less Permeability
- Greater Freeze-Thaw Resistance
- Reduced ASR
- Reduces Bleed Water Volume
- Reduced Shrinkage and Cracking, Honeycombing and Laitance
- Reduced Slab Curl Potential
- Increased Flexural and Compressive Strength
- Increased Acid / Chemical Resistance
- Increased resistance to Chloride Induced Corrosion
- Greatly Improves Durability

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METRIC INSTALLATION SUGGESTIONS:

Dry Mix Batching : CEMENT HYDRATION CATALYST can be poured directly into a empty rinsed out transit mixer (If transit mixer is not clean, add 90% of mix water volume prior to adding CEMENT HYDRATION CATALYST, prior to pulling truck under batch plant for loading.) Under batching plant, with mixer turning in its mixing mode, load a minimum of 90% of the total planned mix water volume then begin loading cement, aggregate (in any order) and then follow with the remaining balance of mix water. CEMENT HYDRATION CATALYST, in this scenario, is used at 0.65 Liters per 100 Kilograms of cement (6.5 Milliliters per 1 Kilogram of cement) mixed. Slump may be increased later, if desired, using plain water, followed by 5 minutes of additional mixing by transit mixer.

Central Mixing Operations : Determine volume needed at 0.65 Liters of CEMENT HYDRATION CATALYST per 100 Kilograms of Portland cement. Pour or pump the calculated volume of CEMENT HYDRATION CATALYST into mix water pre-measure tank as you add mix water. Then batch concrete as usual. After concrete is batched, extra mixing time will be needed. For best results, a minimum of 50% more mixing time is required. 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 CEMENT HYDRATION CATALYST : Calculate volume needed at 0.65 Liters of CEMENT HYDRATION CATALYST per 100 Kilograms of Portland cement. Calculate amount of mix water needed per 100 Kilograms of Portland cement. This will provide your ratio of CEMENT HYDRATION CATALYST to mix water. (For example, if calculations show that 45 Liters of mix water are required per 100 Kilograms of cement, then the water in the tank should be treated at the rate of 0.65 Liters of CEMENT HYDRATION CATALYST per 45 Liters of water.)

CAUTION: INHALATION: Certain individuals may be sensitized and experience minor nausea or headaches. Remove individual to fresh air. If symptoms persist, seek medical attention. **SKIN AND AGE CONTACT:** Wash or flush with water. If irritation persists, seek medical attention. **INGESTION:** ECT - CHC has proven to be non-toxic but not recommended for ingestion. **PROTECTIVE CLOTHING:** Always wear protective clothing and goggles when using any kind of liquid material. Manufacturer / seller makes no warranty of any kind, expressed or implied, except that this product shall be free from defects. Buyer remedies for breach of warranty are limited to replacement of the product or refund of purchase price if it is defective at manufacturer's / seller's option. Buyer assumes all risk and liability resulting from the use of and disposal of this product. This warranty may not be altered, modified or expanded by oral statement or any person, agent or dealer before, during or after the sale. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.