

# New-Technology-Solutions

A technology development business focusing on problem solving

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## Product Description

Cool-Cure is an admixture that converts any typical cement into a Type IV, low-heat cement. Additionally, the usage results in 20 to 100% greater strengths. Works well in manual and automatic dispensing equipment.

## Product Features

- Reduce Hydroxide Formation and Excessive Heat
- Enhance Strength
- Improve Shrinkage
- Improve Porosity
- Improve Freeze/Thaw Resistance
- Eliminate Bleed Water
- Eliminates Cooling Needs
- Fireproof

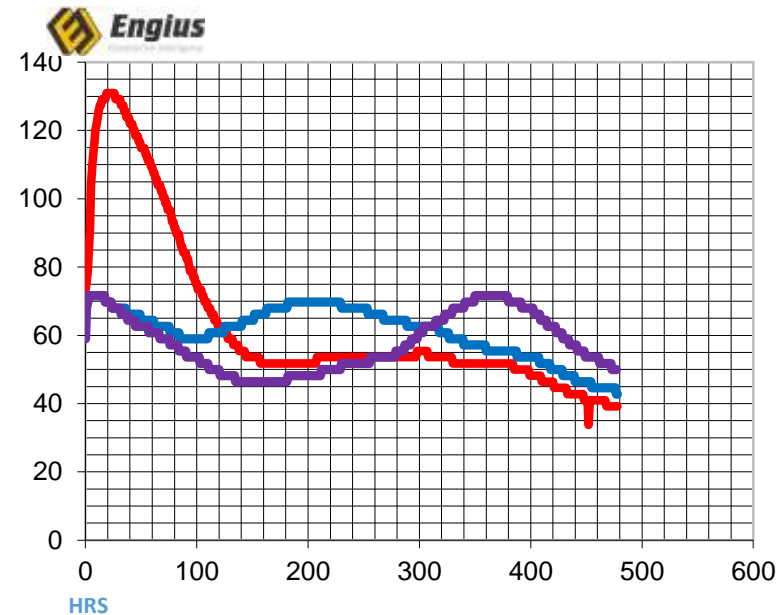
## Typical Applications

- Large Mass Pours
- Bridge Supports
- Embankments
- Dams
- Foundries

## Chemical Cure System

- Advanced Balanced Chemistry
- Nanotechnology Infused
- Uses All Current Mix Plants and Equipmt.
- Green Technology: reduces carbon footprint by enabling less Portland concrete usage and less energy

Temperature F



## TECHNOLOGY PROTECTION:

International Patent PCT US15/11849

## Cool-Cure Eliminates the Need of:

- Cooling/Refrigerating the aggregates
- Cooling coils and chiller bundles embedded in the concrete
- Adding dry ice to the wet mix
- Pumping liquid CO<sub>2</sub> or N<sub>2</sub> into the wet mix prior to pour
- Adding fly ash and/or slag to displace reactive components

## Overall

- Low Heat –Controlled Curing
- No Thermal Cracking
- Reduced Concrete Porosity
- Reduced Concrete Curing Shrinkage and Internal Stresses
- Lower Material Costs with No Slag/No Fly Ash needed
- Lower Construction Costs from: Simpler Thermal Planning, No Cooling Pipes, No Insulating / Heating Forms, No Pre-Treating of Aggregates, No Post Cooling Batches – CO<sub>2</sub> or Nitrogen

## **Product Description**

**This advanced technology is a two part admixture that used in the correct sequence and levels will balance the chemical stoichiometry. This ballanced stoichiometry results in a more efficient reaction, less by-products, much less heat and much more strength.**

## **Handling and Safety**

**For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured materials irritates eyes and skin. Refer to the SDS.**

## **Shelf Life**

**Sealed containers are guaranteed for 12 months from the ship date when stored in a cool dry area below 70°F.**

## **Cure Speeds**

**Customized versions are available upon request that can speed or slower the cure speed to meet your specific applications needs.**

## **Limited Warranty**

**All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as warranty, either expressed or applied. User shall rely on his/her own information and tests to determine suitability of the product for the intended use, and the user assumes all risk and liability resulting from the use of this product. Manufacturer's sole responsibility shall be to replace that portion of product that the manufacturer proves to be defective. Manufacturer shall not be liable to the buyer or any third party for injury, loss or damage directly or indrectly resulting from the use of, or inability to use, the product. Recommendations or statements other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding by the manufacturer.**