



Protect your investment

The FRICKS SCC Advantage Floor is a superior floor system and an investment that needs to be protected. Excessive heat can have damaging affects resulting in greater crack potential, possible curling and wider construction joints.

Fricks takes necessary and effective measures to minimize the affects of high concrete temperature.

Plan ahead

Fricks is careful to monitor temperature along with all of the other aspects of a project to determine the concrete temperature and the demand for temperature control.

If temperature control is necessary then we implement a strategy. Our goal is to minimize the negative affects of hot weather by planning ahead.

Preparing for high temperature construction does come with some additional costs to the customer, but it's a small cost compared to the life of your floor.

"Fricks takes great care in preparing for environmental factors. Their solution is simply not seen by other contractors."

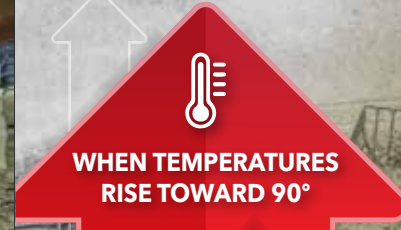
- Client Testimonial

"Hot Weather Concrete" Defined by ACI 305R

Hot weather can create problems in mixing, placing, and curing hydraulic-cement concrete that adversely affect the properties and serviceability of the concrete – due to the increased rate of cement hydration and increased evaporation rate.



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Fricks Concrete Temperature Control

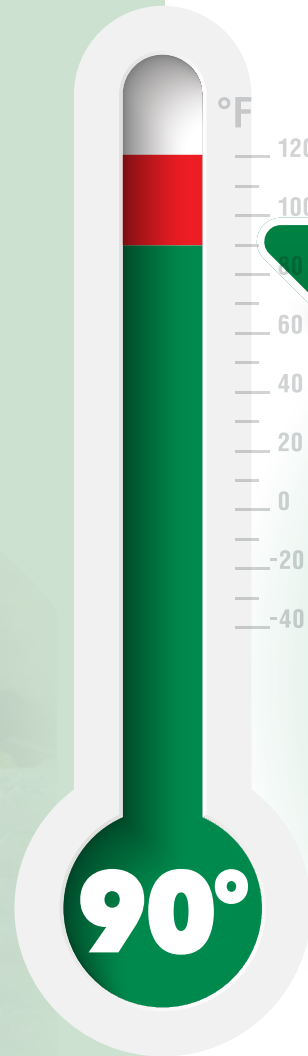
Excellence | Integrity
Service | Respect | Accountability

The Importance of Keeping Temperatures **BELOW 90°**


When the concrete temperature increases over 90° the following effects increase exponentially:


- Increased water demand
- Increased W/C Ratio
- Accelerated and increased slump loss
- Increased rate of setting resulting in greater difficulty with placing and finishing
- Severe cold joints that result in greater crack potential
- Decreased durability
- Lower strength caused by the rapid setting and higher water demand
- Increased crack potential caused by excessive shrinkage and thermal stresses
- Decreased surface abrasion resistance
- Greater variability of surface appearance and aesthetics

Fricks has proven solutions to help LOWER concrete temperatures:



FRICKS TAKES CALCULATED MEASURES TO COMBAT HIGH TEMPERATURES, IMPROVING LONG-TERM PERFORMANCE


Sprinkling the concrete aggregate piles when possible or as much as possible


Protecting the concrete from rapid moisture loss during finishing by blocking wind, wind tunnels and sun. In some cases potentially using foggers in extreme conditions


Reducing the mix time


Minimizing transport time. (ensuring un-obstructed access to the point of placement)

Ask a Representative for more information.

