

Thermocrete™



Mix with the Best



Beat the Heat

Thermocrete™ from RMC Readymix (India) is chilled concrete that responds to the technical requirements of concrete temperature.

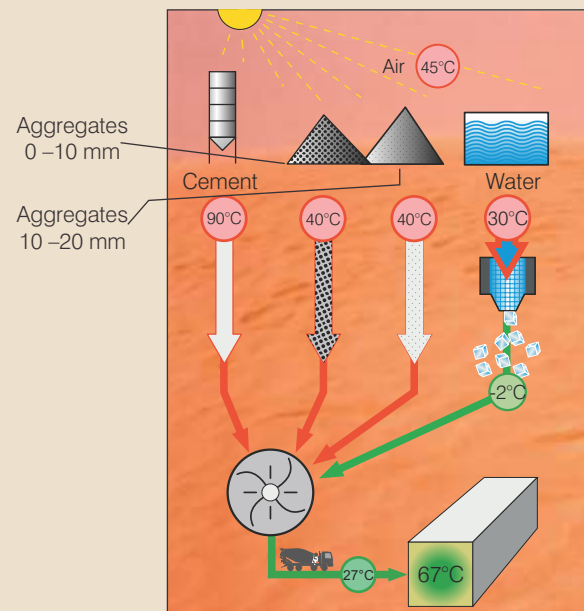
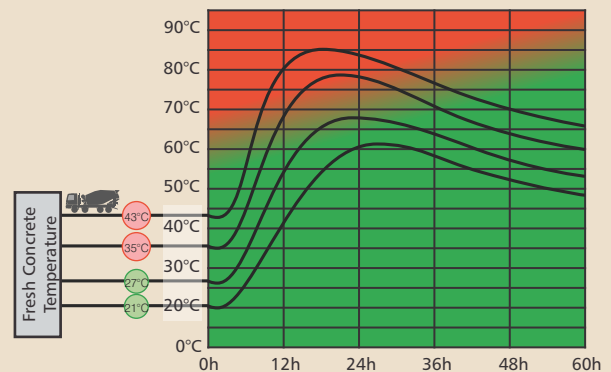
The hydration of a concrete mixture is a process that liberates heat and the rate of heat generation is accelerated with an increase in concrete temperature. Concrete is a poor conductor of heat, and the rate of heat evolution due to the hydration process is much greater than the rate of heat dissipation. Thus development of high concrete temperatures can cause a number of effects that are detrimental to the long term concrete performance in structures.

5 key advantages:

1. Controls the temperature differential between the core and surface of the concrete, thereby mitigating thermal tensile cracks.
2. Controlled early setting and stiffening of concrete.
3. Reduced plastic shrinkage cracks in fresh concrete.
4. Rapid loss of slump and drying of fresh concrete is controlled.
5. Prevents Delayed Ettringite Formation.

Applications:

- Mass raft foundations and deep beams.
- Bridge Foundation & Bridge Piers.
- Hydro-electric & power projects, mass concrete works in dams.
- Large retaining walls.



RMC Readymix (India)

(A Division of Prism Cement Limited)

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