



**HAWAIIAN  
CEMENT**

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## hot-weather concreting tips from hawaiian cement

### TIPS TO MINIMIZE THE EFFECTS OF HOT WEATHER

- Contact ready-mix producer to discuss cooling concrete, reducing heat of hydration, and using a water-reducing, set retarding admixture.
- Fog or sprinkle cool water on forms, reinforcing steel, and subgrade.
- Erect temporary windbreaks and sunshades.
- Consider early morning, evening, or nighttime concrete placement.
- Supply sufficient workers to eliminate delays during construction.
- Schedule ready mix trucks to minimize waiting times.
- Cure the concrete between finishing passes.
- Apply final curing immediately after final finishing.

### ANY COMBINATION OF HOT, DRY, OR WINDY WEATHER CAN:

- Increase slump loss, making concrete more difficult.
- Accelerate set, decreasing the amount of finishing time.
- Increase the potential for plastic shrinkage cracking.
- Decrease air content if the dosage of air-entraining agent isn't adjusted.
- Reduce strength if water is added to offset slump loss.

### CURE BETWEEN FINISHING PASSES BY:

- Spraying a temporary moisture-retaining monomolecular film
- Covering with white plastic sheeting or damp burlap
- Continuous fog spraying to produce a fog blanket
  - An effective fog sprayer: pressure washer that delivers 2 to 3 gpm at 2000 to 2500 psi. Use a 40- to 50- degree wide-angle nozzle; in windy situations, use a 10- to 15- degree nozzle.

Additional tips and products to help with your project are available online at: [www.hawaiiancement.com](http://www.hawaiiancement.com)