

SALMON BAY SAND & GRAVEL COMPANY

BUILDING MATERIAL

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HOT WEATHER AND YOUR CONCRETE

Hot weather and windy conditions can produce a rapid rate of evaporation, and accelerated setting times, this can lead to increased water demand which will lower potential strengths and can induce plastic shrinkage and or drying shrinkage cracking. Be sure to use these necessary precautions to avoid the problems of placing and finishing concrete in hot weather.

Concrete that sets very quickly can usually be traced back to travel time and waiting time, so for the best possible job experience it is vitally important to be ready to start as soon as the truck arrives, pump the concrete when you have a challenging placement job. The faster you get the concrete placed the more success you will have. Provide additional personal to speed placement. Be ready when concrete arrives.

- Minimum cement content for needed P.S.I.
- Use of Fly Ash to help lower heat caused by hydration.
- Use of retarding admixtures such as, MasterSet R100 or Delvo
- Use of water to pre-wet forms, sub-grade and steel.
- Added personnel to handle the concrete.
- Time of day, earlier pours for flat work, try to plan for shade if possible.
- Moist cure the concrete with water as soon as finishing is done.
- Use of poly film or other suitable material to reduce evaporation.
- Use curing compounds, such as L M Cure & Seal.
- Use evaporation control products, such as E-con.

Placing concrete in hot weather can be challenging, with a little forethought and talking to our Sales and Dispatch people we hope to make it easier for you.

Please give us a call and find out how we can help.

Ron Anderson	Concrete Sales Manager	206-297-4713
Paul Rohrbach	Concrete Sales	206-297-4664
Greg Quinn	Quality Assurance	206-297-4735
Concrete Dispatch	Doug	206-784-1234
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Internet Links To:

BASF (retarders) www.basf.com
L & M Construction (curing agents & evaporation control) www.lmcc.com/