The Concrete Promotional Group of Greater Kansas City

Concrete Corner

Compromising Concrete Durability

One gallon of water added to a yard of properly designed 4000 psi concrete mix can:

- *Increase the slump about one inch (Use a water reducer instead)*
- *Cut the compressive strength by as much as 200 psi*
- *Waste the effect of 1/4 bag of cement*
- *Increase the shrinkage potential about 10%*
- *Increase the possibility of seepage through the concrete by up to 50%*
- *Decrease the freeze/thaw resistance by 20%*
- *Decrease the resistance to attack by de-icing salts*
- *Lower the quality of the concrete in many other ways*

Everyone has a hand in the success of Concrete Flatwork:

- *The* **General Contractor/Builder** *in who they hire and setting expectations*
- *The* **Subcontractor** *doing the concrete work properly and ordering proper mix design for the job at hand*
- *The* **Ready Mix Supplier** *providing the proper concrete mix ordered*
- *The* **Owner** *in keeping the objects (vehicles) on the flatwork to the desired loads it is designed for and taking care of the flatwork in the future, to include proper sealing as needed and no deicing agents the first year.*

Any one of the four people above can cut a corner and effect the life of the pavement. Imagine if everyone cuts a corner. The driveway, patio, sidewalk, parking lot, street etc… are investments. **Make your piece of the puzzle quality**.