

Effects of Adding Additional Water to Concrete

Rule of Thumb:

Below is a list of effects from adding 1 gallon of water per cubic yard of concrete

- Increases slump by approximately 1"
- Decreases strength by \approx 200 psi
- Waste effect of 1/4 bag (23.5 lbs.) of cement
- Increases shrinkage by 10%
- Increases permeability by 50%
- Decreases freeze-thaw durability by 20%
- Decreases resistance to deicing salts
- Slows set
- Increases potential for cracking