

Mid-Range/High-Range Water Reducers

MRWR/HRWRs allow you to increase slump without compromising the properties of the concrete that will occur by adding water.

RESULTS

Finishability/Workability

- Improves pumpability
- Produces creamier paste
- Reduces bleeding
- Lowers potential for premature finishing
- Surface is easier to close
- Fewer surface blemishes
- Lower labor cost to finish

Reduces Strength Loss

- 1 gallon of added water per yard reduces strength by \approx 200 psi
- Lower strength increases potential for cracking
- More cracking equals more claims with client

Reduces Shrinkage

- Adding 1 gallon of water per yard increases shrinkage by 10%
- Lower shrinkage reduces potential for cracking
- Less cracking equals less complaints
- Higher customer satisfaction

Better Set Times

- Quicker/more predictable set times if slumps are increased with admixtures as compared to water
- Reduces finishing time
- Lowers labor cost and allows labor to be more productive
- Reduces potential overtime labor

Increases Durability

- Increases surface life
- Reduces potential of complaints
- Better resistance to freeze-thaw
- Higher resistance to the effects of harsh chemicals

- Lowers risk of costly callbacks
- Reduces in-place cost

- Improves profitability
- Improves customer satisfaction

