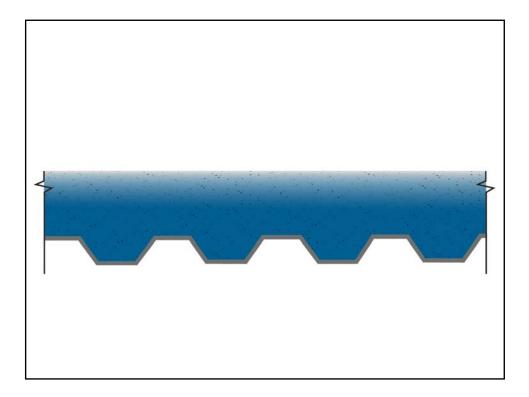


Concrete Mixe	es			RDH
	Normal Weight Concrete with 0.5% aggregate absorption	Lightweight Concrete with 10% aggregate absorption	Lightweight Concrete with 20% aggregate absorption	Cellular concre
Total cementitious material (lb/cy)	650	710	710	779
w/cm ratio	0.39	0.43	0.43	0.50
Added batch water (lb/cy)	242	308	308	384
1% fine aggregate absorption (lbs water/cy)	11	13	13	n/a
Coarse aggregate absorption (Ib water/cy)	10	73	145	n/a
Total water in batch (lb/cy)	263	394	466	384
Water consumed in hydration reactions (lb/cy)	163	178	178	195
Water remaining after hydration (lb/cy)	100	216	288	189
Water remaining in 6 in. concrete deck (quart/sf)	0.9	1.9	2.6	1.7





	Normal Weight Concrete (qt/sf) (% of evaporable water)	Lightweight Concrete (20% Aggregate Absorption) (qt/sf) (% of evaporable water)	Cellular Concrete @ 14 days (qt/sf) (% of evaporable water)
Cold-moist climate	0.7	2.2	0.5
International Falls, MN	(80%)	(87%)	(33%)
Warm-humid climate	0.7 (80%)	2.2	0.6
Miami, FL		(87%)	(35%)
Warm-dry climate	0.6	2.1	0.3 (15%)
Phoenix, AZ	(70%)	(83%)	

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