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| DOTLOGO2 | | | **Water/Cement Ratio Worksheet** | | |
|  | | | | | |
| Date: (mm/dd/yyyy) | |  | Ticket No.: |  | |
|  | | | | | |
| Producer No.: | |  | Contract No.: |  | |
|  | | | | | |
| Producer Name: | |  | Contractor Name: |  | |
|  | | | | | |
| Mix Design No.: | |  | Resident Engineer: |  | |
|  | | | | | |
| PCC Level II: | |  | Level II Employer: |  | |
|  | | | | | |
| Department Inspector at Plant: | |  | Inspector Employer: |  | |
|  | | | | | |
| 1. | Total Cement plus Finely Divided Minerals\*, lb/yd3 (kg/m3)  \* Fly Ash, Ground Granulated Blast-Furnace Slag, Microsilica, High Reactivity Metakaolin | | |  | lb/yd3 (kg/m3) |
|  |  | | |  |  |
|  |  | | |  |  |
| 2. | Maximum water/cement ratio | | |  |  |
|  |  | | |  |  |
| 3. | Maximum Allowable Water, gal/yd3 (L/m3)  English: (Line 1 × Line 2) ÷ 8.33  Metric: Line 1 × Line 2 | | |  | gal/yd3 (L/m3) |
|  |  | | |  |  |
|  |  | | |  |  |
| 4. | Batch Size, yd3 (m3) | | |  | yd3 (m3) |
|  |  | | |  |  |
| 5. | Water in Fine Aggregate per Batch, gal (L) | | |  | gal (L) |
|  | English: {[(%FA Moisture ÷ 100) × FA lb/yd3] × Line 4} ÷ 8.33  Metric: [(%FA Moisture ÷ 100) × FA kg/m3] × Line 4  Moisture can be positive (+, excess water) or negative (-, short water) | | |  |  |
|  |  | | |  |  |
| 6. | Water in Coarse Aggregate per Batch, gal (L) | | |  | gal (L) |
|  | English: {[(%CA Moisture ÷ 100) × CA lb/yd3] × Line 4} ÷ 8.33  Metric: [(%CA Moisture ÷ 100) × CA kg/m3] × Line 4  Moisture can be positive (+, excess water) or negative (-, short water) | | |  |  |
|  |  | | |  |  |
| 7. | Water in Admixtures per Batch, gal (L)  English: {[0.7(d1 + d2 + d3 + …) × (Line 1 ÷ 100)] ÷ 128} × Line 4  Metric: {[0.7(d1 + d2 + d3 + …) × (Line 1 ÷ 100)] ÷ 1000} × Line 4  Where *d1*, *d2* , *d3* , etc. is the dosage rate, oz/cwt (ml/100 kg), of each admixture.  Note: 0.7 is the admixture water content factor. Use 0.5 for latex admixtures. | | |  | gal (L) |
|  |  | | |  |  |
|  |  | | |  |  |
| 8. | Plant Water per Batch, gal (L)  (Design Water Requirement, gal (L) × Line 4) - (Line 5 + Line 6 + Line 7) | | |  | gal (L) |
|  |  | | |  |  |
|  |  | | |  |  |
| 9. | Wash Water in Truck per Batch, gal (L)  Truck mixer shall discharge all wash water. | | | 0.0 | gal (L) |
|  |  | | |  |  |
|  |  | | |  |  |
| 10. | Total Water in Batch, gal (L)  Line 5 + Line 6 + Line 7 + Line 8 + Line 9 | | |  | gal (L) |
|  |  | | |  |  |
|  |  | | |  |  |
| 11. | Maximum Water Allowed per Batch, gal (L)  Line 3 × Line 4 | | |  | gal (L) |
|  |  | | |  |  |
|  |  | | |  |  |
| 12. | Maximum Additional Water Allowed per Batch, gal (L)  Line 11 - Line 10 | | |  | gal (L) |
|  |  | | |  |  |
|  |  | | |  |  |
| 13. | Water Added to Batch at Jobsite, gal (L) | | |  | gal (L) |
|  |  | | |  |  |
| 14. | Water in Admixture(s) Added to Batch at Jobsite, gal (L)  Refer to Line 7 for calculation. | | |  | gal (L) |
|  |  | | |  |  |
|  |  | | |  |  |
| 15. | Total Water in Batch at Jobsite, gal (L)  Line 10 + Line 13 + Line 14 | | |  | gal (L) |
|  |  | | |  |  |