

Construction Specification 31 Material Specification 533

Watershed _____ Site No. _____ Contract No. _____

Bid Schedule No. _____ Quantity _____ cubic yards

Contractor _____

Address _____

Information below is to be completed by the contractor or supplier

Brand Name _____

Manufacturer _____

Supplier _____

Address _____

Address _____

Reference Specs
ASTM C 260

Air Entraining Admixture

Uniformity Test Required (chloride-free)

Bleeding ($\leq 2\%$ change from mix without admixture) _____ %

Time of Setting (within ± 1 hour and 15 minutes of mix
without admixture) _____ hour _____ minutes

Compressive Strength ($\geq 90\%$ of mix without admixture) _____ %

Flexural Strength ($\geq 90\%$ of mix without admixture) _____ %

Resistance to Freezing and Thawing (relative durability factor ≥ 95) _____

Type A - Water Reducing

ASTM C 494

Water Content (maximum 95% of control) _____ %

Time of Setting:

Initial hours (h) = (-1) - (+1.5) _____ \pm hour

Final h = (-1) - (+1.5) _____ \pm hour

Compressive Strength:

3-day ($\geq 110\%$) _____ %

7-day ($\geq 110\%$) _____ %

28-day ($\geq 110\%$) _____ %

Relative Durability Factor (80 minimum) _____

Type B - Retarding

ASTM C 494

Time of Setting:

Initial h = (-1) - (+3.5) _____ \pm hour

Final h = +3.5 _____ \pm hour

Compressive Strength:

3-day ($\geq 90\%$) _____ %

7-day ($\geq 90\%$) _____ %

28-day ($\geq 90\%$) _____ %

Relative Durability Factor (80 minimum) _____

Reference Specs

ASTM C 494

Type C - Accelerating

Time of Setting:

Initial h = (-1) - (-3.5) _____ \pm hourFinal h = -1.0 _____ \pm hour

Compressive Strength:

3-day ($\geq 125\%$) _____ %7-day ($\geq 100\%$) _____ %28-day ($\geq 100\%$) _____ %

Relative Durability Factor (80 minimum) _____

Type D - Water Reducing and Retarding

ASTM C 494

Water Content (maximum 95% of control) _____ %

Time of Setting:

Initial h = (+1) - (+3.0) _____ \pm hourFinal h = +3.0 _____ \pm hour

Compressive Strength:

3-day ($\geq 110\%$) _____ %7-day ($\geq 110\%$) _____ %28-day ($\geq 110\%$) _____ %

Relative Durability Factor (80 minimum) _____

Type E - Water Reducing and Accelerating

ASTM C 494

Water Content (maximum 95% of control) _____ %

Time of Setting:

Initial h = (-1) - (-3.5) _____ \pm hourFinal h = -1 _____ \pm hour

Compressive Strength:

3-day ($\geq 125\%$) _____ %7-day ($\geq 110\%$) _____ %28-day ($\geq 110\%$) _____ %

Relative Durability Factor (80 minimum) _____

Type F - Water Reducing, High Range

ASTM C 494

Water Content (maximum 88% of control) _____ %

Time of Setting:

Initial h = (-1) - (+1.5) _____ \pm hourFinal h = (-1) - (+1.5) _____ \pm hour

Compressive Strength:

3-day ($\geq 125\%$) _____ %7-day ($\geq 115\%$) _____ %28-day ($\geq 110\%$) _____ %

Relative Durability Factor (80 minimum) _____

Reference Specs
ASTM C 494

Type G - Water Reducing, High Range and Retarding

Water Content (maximum 88% of control) _____ %

Time of Setting:

Initial h = (+1) - (+3.5) _____ \pm hour

Final h = +3.5 _____ \pm hour

Compressive Strength:

3-day ($\geq 125\%$) _____ %

7-day ($\geq 115\%$) _____ %

28-day ($\geq 110\%$) _____ %

Relative Durability Factor (80 minimum) _____

Plasticizing - Type I

ASTM C 1017

Time of Setting:

Initial h = (-1) - (+1.5) _____ \pm hour

Final h = (-1) - (+1.5) _____ \pm hour

Increase in Slump (≥ 3.5 inches) _____ inches

Compressive Strength:

3-day ($\geq 90\%$) _____ %

7-day ($\geq 90\%$) _____ %

28-day ($\geq 90\%$) _____ %

Relative Durability Factor (80 minimum) _____

Plasticizing and Retarding - Type II

ASTM C 1017

Time of Setting:

Initial h = (+1) - (+3.5) _____ \pm hour

Final h = +3.5 _____ \pm hour

Increase in Slump (≥ 3.5 inches) _____ inches

Compressive Strength:

3-day ($\geq 90\%$) _____ %

7-day ($\geq 90\%$) _____ %

28-day ($\geq 90\%$) _____ %

Relative Durability Factor (80 minimum) _____

This item meets standard requirements in the current specifications of the American Society for Testing and Materials (ASTM) as listed above.

Signature

Date

Title