

**CONCRETE MIX DESIGN
FOR
JOHNSTOWN READY MIX CONCRETE**

Re:
General Contractor:

Mix Number: 021 FLOW FILL CDOT FLOWFILL

Minimum 28-Day Compressive Strength - 50 PSI
Maximum Aggregate Size - 3/4" - ASTM/AASHTO Size No. 67 Blend
Type I - II Portland Cement GCC ASTM C 150

<u>Mix Proportions (Per Cubic Yard of Concrete)</u>			<u>Absolute Volume</u>
Cement	.50 sack	35 #	0.18 Ft. ³
Fly ash – 46% Replacement		30 #	0.17 Ft. ³
3/8" Aggregate, ASTM C 33 Size No. 67		590 #	3.57 Ft. ³
3/4" Aggregate, ASTM C 33 size No. 67		995 #	6.02 Ft. ³
Sand - ASTM C 33		1685 #	10.23 Ft. ³
Water	40 gals.	334 #	5.34 Ft. ³
Air	3%		1.62 Ft. ³
Total		3669 #	27.13 Ft. ³

Water-Cement Ratio – 5.13 (By Weight)
Theoretical Unit Weight – 135.23
Theoretical Yield - 27.13
% Sand of Total Aggregate - 52%

Aggregated weights based on saturated surface dry.