



FRITZ-PAK SUPERCIZER 5

Slump Enhancer

TEST DATA

Location: Ideal Concrete Houston, Texas

Design Requirements: 3000 psi 28 days, Slump increase 4-6"

MIX DESIGN (per Cubic Yard)		Control	SUPERCIZER 5
Cement Type I Box Crow		355 lbs	355 lbs
Class C Fly Ash		115 lbs	115 lbs
Fine Aggregate		1270 lbs	1270 lbs
Coarse Aggregate		1950 lbs	1950 lbs
Admixtures	Normal W/R	2.5 oz./cwt	2.5 oz./cwt
	AEA	3 oz./yd ³	3 oz./yd ³
SUPERCIZER 5		0 oz./cwt	6 oz./cwt
Water-Cement Ratio		0.51	0.51

Test Data	Control	SUPERCIZER 5
Slump	2.5"	8.5"
Air, %	4%	2.5%
U. W., lb/ft ³	142.9	147.6
Air Temp., °F	75 °F	75 °F
Concrete Temp., °F	85 °F	86 °F

Control samples were made immediately after batching. SUPERCIZER 5 was added and mixed for 7 minutes, then SUPERCIZER 5 samples were made. Mixing was continued. One hour after addition of SUPERCIZER 5: Concrete slump was 5.75".

Compressive Strength, psi			
Age	Control	SUPERCIZER 5	% of Control
3 Days	2510	3020	120%
7 Days	2920	3490	120%
28 Days	3970	4950	125%

Note: Cylinders were tested according to ASTM C-39 by Ideal Concrete Lab. Compressive strength results are averages of two or more breaks.

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FRITZ-PAK SUPERCIZER 5

High-Range Water Reducer

TEST DATA

Location: Mesquite, Texas
Design Requirements: 3000 psi 28 days

MIX DESIGN (per Cubic Yard)		Control	SUPERCIZER 5
Cement Type I Ideal		470 lbs	470 lbs
Fine Aggregate		1593 lbs	1593 lbs
Coarse Aggregate		1971 lbs	1971 lbs
Admixtures	SUPERCIZER 5	0 oz./cwt	6 oz./cwt
Water-Cement Ratio		0.55	0.46
Water Reduction		0	16%

Test Data	Control	SUPERCIZER 5
Slump, inches	3.00"	2.75"
Air, %	2.5%	2.1%
Unit Weight, lb/ft ³	145.1 lb/ft ³	146.1 lb/ft ³
Air Temp., °F	77 °F	82 °F
Concrete Temp., °F	80 °F	82 °F
Initial Set (hours:mins)	3:30	3:15

Compressive Strength, psi			
Age	Control	SUPERCIZER 5	% of Control
24 Hours	1300	1810	139%
2 Days	1790	2640	147%
3 Days	1990	3120	157%
7 Days	2770	4380	158%
28 Days	3610	5110	142%

Note: Cylinders were tested according to ASTM C-39 by Fritz Chemical R&D. Compressive strength results are averages of two or more breaks.

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