



FRITZ-PAK SUPERCIZER 1

Slump Enhancer Test Results

TEST DATA

Location: Ideal Concrete Houston, Texas

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

MIX DESIGN (per Cubic Yard)		Control	SUPERCIZER 1
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 1		0 oz./cwt	6 oz./cwt
Water-Cement Ratio		0.51	0.51

Test Data	Control	SUPERCIZER 1
Slump, inches	2.5"	7.75"
Air, %	5.5%	5%
Unit Weight, lb/ft ³	142.6 lb/ft ³	143.1 lb/ft ³
Air Temp., °F	73 °F	74 °F
Concrete Temp., °F	83 °F	83 °F

Control samples were made immediately after batching. Supercizer 1 was added and mixed for 7 minutes, then Supercizer 1 samples were made. Mixing continued. One hour after addition of Supercizer 1, concrete slump was 5.25".

Compressive Strength, psi			
Age	Control	SUPERCIZER 1	%of Control
3 Days	2650	2790	105%
7 Days	3160	3180	101%
28 Days	4190	4300	103%

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

Fritz-Pak Corporation
 11220 Grader Street, Suite 600
 Dallas, Texas 75238, USA
 Tel: 214-221-9494
 Fax: 214-349-3182
 Toll Free: 1-888-746-4116
www.fritzpak.com



FRITZ-PAK SUPERCIZER 1

High-Range Water Reducer

TEST DATA

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

MIX DESIGN (per Cubic Yard)		Control	SUPERCIZER 1
Cement Type I Titan Ideal		470 lbs	470 lbs
Fine Aggregate		1593 lbs	1593 lbs
Coarse Aggregate.		1971 lbs	1971 lbs
Admixtures	SUPERCIZER 1	0 oz./cwt	6 oz./cwt
Water-Cement Ratio		0.55	0.47
Water Reduction		0	15%

Test Data	Control	SUPERCIZER 1
Slump, inches	3"	3.5"
Air, %	2.5%	2.8%
Unit Weight, lb/ft ³	145.1 lb/ft ³	144.3 lb/ft ³
Air Temp., °F	77 °F	79 °F
Concrete Temp., °F	80 °F	83 °F
Initial Set (hours:mins)	3:30	3:45

Age	Compressive Strength, psi		
	Control	SUPERCIZER 1	% of Control
24 Hours	1300	1720	132%
2 Days	1790	2540	142%
3 Days	1990	3040	153%
7 Days	2770	4130	149%
28 Days	3610	4660	129%

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

Fritz-Pak Corporation
 11220 Grader Street, Suite 600
 Dallas, Texas 75238, USA
 Tel: 214-221-9494
 Fax: 214-349-3182
 Toll Free: 1-888-746-4116
www.fritzpak.com