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Sika ViscoCrete®
Technology

**RAPID SETTING
CEMENT TECHNOLOGY**

SikaGrout® 428 FS

Precision grout with exceptional high early and ultimate strength.



Rate of Strength Gain Comparable to Epoxy!



APPLICATIONS

- ▲ For quick turnaround applications, when rate of strength gain is a significant consideration.
- ▲ Grouting of foundations, windmills, compressors, etc.
- ▲ Non-shrink grouting of machinery and equipment, base plates, sole plates, precast panels, beams, columns and curtain walls.
- ▲ Applications where a non-shrink grout is needed for maximum effective bearing area.
- ▲ To transfer optimum load.
- ▲ For grouting rebar, bolts, dowels and pins, etc.

AdvANTAGES

- ▲ Quick rate of strength gain.
- ▲ Multiple fluidity with one material.
- ▲ Outstanding performance in fluid state.
- ▲ Excellent fluidity, sufficient time for placement.
- ▲ Nonmetallic, will not stain or rust.
- ▲ Meets ASTM C-1107 (Grade C).
- ▲ Shows positive expansion as per ASTM C-827.

TYPICAL DATA

- ▲ **Shelf Life:** One year in original, unopened bags.
- ▲ **Permeability:** ASTM C-1202, 28 days, <1,000 coulombs
- ▲ **Compressive Strength** - ASTM C-109 Plastic @ 6.0-6.5 pts./bag

	45°F	73°F	90°F
4 hours	600	3,000	5,000
1 day	4,000	7,000	9,000
3 day	5,500	9,500	11,000
7 day	7,500	12,000	12,000
28 day	11,000	13,000	13,000

Compressive Strength - Flowable @ 7.0-7.5 pts./bag

	45°F	73°F	90°F
4 hours	250	2,000	5,000
1 day	3,500	7,000	7,000
3 day	5,000	9,000	9,500
7 day	7,000	11,000	11,000
28 day	10,500	12,500	12,500

Compressive Strength - Fluid @ 1 gal./bag

	45°F	73°F	90°F
4 hours	-	500	2,000
5 hours	<200	1,000	4,000
6 hours	<500	3,000	6,000
1 day	3,250	7,500	8,000
3 day	6,000	8,500	8,500
7 day	7,500	10,000	10,000
28 day	10,000	12,000	12,000

- ▲ **Bond Strength ASTM C-882**

1 Day	
Hard Conc to concrete	1,800
7 Days	
Hard Conc to concrete	2,200
28 Days	
Hard Conc to concrete	2,500

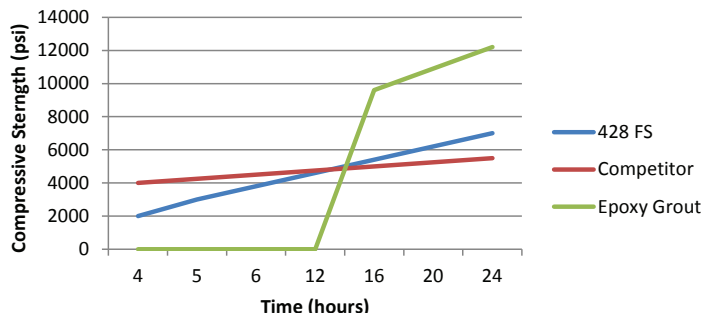
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A precision grout with exceptional high early and ultimate strength.

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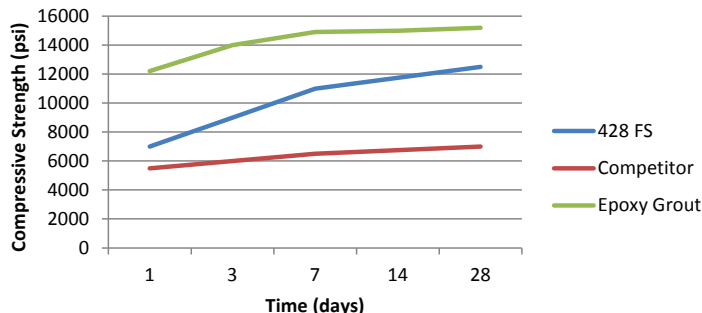
Early Strength vs Time (4-24hrs)

Flowable @ 73°F



Ultimate Strength vs Time (1-28 days)

Flowable @ 73°F



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