

# SITE-SET CONCRETE

## SET PERFORMANCE SOLUTIONS

### Beat the Cold... Save some time! (and money)



Central Concrete Supply offers a ready-to-ship product utilizing Site Set<sup>™</sup> technology. Site Set<sup>™</sup> Accelerator helps improve concrete setting time performance.

#### OVERVIEW:

Concrete has setting characteristics that can be negatively affected by low ambient temperatures, typically resulting in extended setting times and increased labor costs.

#### TREATING READY-MIXED CONCRETE:

Site Set<sup>™</sup> can be used to reduce setting time in ready-mixed concrete while providing the following benefits:

- When using Site Set concrete, please follow ACI Guidelines for Cold Weather Concrete (ACI 308)
- Non-chloride. Will not promote corrosion in reinforcing steel embedded in concrete.
- Designed to reduce setting time challenges presented by high fly ash mixes.
- Reduced in place concrete costs and increased labor savings.
- Faster job turn around time.
- Safe to use with all colored concrete mixes.

#### DOSAGE GUIDELINES:

The following are guidelines for Site Set<sup>™</sup> dosages used for acceleration of set time of ready-mixed concrete. These are only guidelines. Variations in job conditions and materials may cause setting times to vary.

**CURING:** All concrete should be cured to maximize strength and quality, and to minimize cracking. Refer to ASTM C308, Standard Practice for Curing Concrete.

\* To maximize effectiveness of Site Set, mix 70 revolutions on site prior to placing.

Approximate reduction in set time.

	AMBIENT TEMPERATURE (in Degrees F)		
Air Temperature at Times of Placement	32° - 39°F	40° - 49°F	50° - 59°F
Normal Setting Time (No Accelerator)	7 - 12 Hr's	6 - 10 Hr's	5 - 9 Hr's
Site Set Savings - 15 ozs / cuft	3 - 3.5 Hr's	2.5 - 4.5 Hr's	2.5 - 3.5 Hr's
Site Set Savings - 25 ozs / cuft	3.5 - 6.5 Hr's	3 - 5.5 Hr's	2 - 4.5 Hr's

Times based on, on-going lab and field tests. Concrete set time reductions represent concrete mixes made with up to 25% fly ash replacement. All setting times tested in accordance with ASTM C400. Based on concrete placed at a 4" x 4" x 1' slump. Increased slumps will result in longer set times.

Useful Information