FRITZ-PAK

DELAYED SET LAB TEST

1. Purpose of the Lab Test

This lab test evaluates the claim that one bag of Mini Delayed Set will delay the setting time of one yard of concrete by approximately one hour.

2. Lab Test Procedure

Three concrete mixes were prepared and poured into molds for this experiment.

- Mix 1: Standard mix of manufactured sand, Portland Cement, and water.
- Mix 2: Identical to mix 1, with an equivalent dosage of 1 bag of Mini Delayed Set per yard of concrete.
- Mix 3: Identical to mix 1, with an equivalent dosage of 2 bags of Mini Delayed Set per yard of concrete.

Each mix was placed in direct sunlight at a temperature of 86°F (30°C).

Set times were monitored using a Vicat needle at 30-minute intervals until each mix reached the initial set.

3. Results

The test confirmed the effectiveness of Mini Delayed Set in slowing concrete set time.

- Mix 1 achieved initial set after 1 hour 45 minutes.
- Mix 2 achieved initial set after 2 hours 30 minutes.
- Mix 3 achieved initial set after 3 hours 45 minutes.

4. Product Overview

Fritz-Pak's Delayed Set Admixtures come packaged in our signature, water-soluble bag for easy dosing. They are approved by the DOT in several states and meet ASTM C 494 Type D standards.

5. Learn More

Scan the code to order a case of Mini Delayed Set today. Don't forget to follow us online for more information about how our products can improve your concrete mixes.