



Fast-Setting, Concrete Mix #132733

Subsidiary of ALASKA BASIC INDUSTRIES



1. Availability

Fairbanks Block & Building Materials' Fast-Setting Concrete mix is available at the leading construction supply houses and distributors throughout the State of Alaska.

2. Manufacturer

Fairbanks Block & Building Materials
 855 Old Richardson Hwy
 Fairbanks, AK 99701
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3. Product Description

Fast-Setting Concrete Mix is used for setting fence posts, anchors and sleeves. Mix can also be used for concrete patching and slabs greater than 4" or thicker, and for other applications where the FBBM Fast-Setting Concrete Mix is desired.

BAG SIZE

- 60 lb bag / 50 bags per pallet

YIELD

- As prepared product yields approximately 1/2 cubic foot.

4. Technical Data

- ASTM C-39 Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens
- ASTM C-403 Standard Test Method for Time of Setting of Concrete Mixtures by Penetration Resistance.

PHYSICAL & CHEMICAL PROPERTIES

FBBM's Fast-Setting Concrete Mix will meet or exceed the compressive strength requirements of ASTM C-39. When mixed at a 2"-3" slump, FBBM's Fast-Setting Concrete Mix will achieve the typical physical properties shown in TABLE 1.

5. Warranty

FBBM warrants this product to be of merchantable quality when used or applied in accordance with the instructions herein. Liability under this warranty is limited to the replacement of its product (as purchased).

6. Technical Services

Fairbanks Block & Building Materials maintains technical field representatives throughout Alaska. Contact a local distributor for the name and number for the nearest representatives or call FBBM.

7. Cold Weather

Use hot water (100 – 150° degrees F) when mixing in severely cold weather. Cover freshly poured concrete immediately to prevent freezing for the first 72 hours. During freezing temperatures the concrete set-times will double.



8. Installation

Step #1. FOR SETTING POSTS
 Place post into hole and temporarily stand straight. The hole diameter should be three times the post diameter. The depth of the post hold should be in compliance with local building codes (e.g. 4'-5' ft. deep).

Caution: Do not mix more Fast-Setting Concrete Mix than you can place within 15 minutes.

Step #2. HAND MIXING
 Mix contents of each bag into the mixing vessel (e.g. wheelbarrow / bucket). Add 2 quarts of water (i.e. 1/2 gallon) to one bag of FBBM's Fast-Setting Concrete Mix mixing thoroughly for best results.

OR: MACHINE MIXING
 Add contents of bag into mixer along with 2 quarts (1/2 gallon) of water. Mix until blended thoroughly. If mix is dry, add only small amounts of water at a time and continue to work the mix until a workable consistency is obtained.

Step #3. PLACEMENT
 Pour thoroughly mixed concrete into hole / form. Completely fill forms without air pockets or voids using a shovel to ensure adequate consolidation. Using a straight board screed off the surface. Use concrete finishing tools to level-off the slab and close the surface (i.e. voids, screed marks, etc.). For setting posts, tamp concrete around post to help ensure adequate consolidation and eliminate any voids. Fast-Setting Concrete Mix sets in 30 – 45 min. Avoid placing heavy loads for 24 hours.

TABLE 1 PHYSICAL PROPERTIES

Concrete Setting Time: ASTM C-403 / C-403M-08 **30 – 45 minutes**

TEST RESULTS (Compressive Strength, ASTM C-39)

Cure Time:	2" -3" Slump	4"-6" Slump
30 – 45 minutes	Initial Set (500 PSI)	Initial Set (500 PSI)
24 hours	1000 PSI	800 PSI
7 days	2000 PSI	1,500 PSI
28 days	4000 PSI	3,500 PSI