

# 3/4" High-Strength, Concrete Mix #132780

Subsidiary of ALASKA BASIC INDUSTRIES



## 4. Technical Data

- ASTM C-39 Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens
- ASTM C-191 Standard Test Method for Time of Setting of Hydraulic Cement by Vicat Needle

## PHYSICAL/CHEMICAL PROPERTIES

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

## 5. Warranty

AS&G warrants this product to be of merchantable quality when used or applied in accordance with ASTM standards. Liability under this warranty is limited to the replacement of its product (as purchased).

## 6. Technical Services

Anchorage Sand & Gravel maintains technical field representatives throughout Alaska. Contact a local distributor for the name and number for the nearest representatives or call AS&G.

## 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.



## 1. Availability

AS&G's High-Strength Concrete Mix is available at the leading construction supply houses and distributors throughout the State of Alaska.

## 2. Manufacturer

Anchorage Sand & Gravel  
1040 O'Malley Road  
Anchorage, AK 99515  
(907) 349-3333 (main office)  
(907) 344-2844 (fax)  
[www.anchsand.com](http://www.anchsand.com)

## 3. Product Description

AS&G's High-Strength Concrete Mix is used for setting fence posts, anchors and sleeves. Mix can also be used for concrete patching and slabs greater than 2" or thicker, and for other applications where AS&G's High-Strength Concrete Mix is desired.

## BAG SIZE

- 60 lb bag / 50 bags per pallet

## YIELD

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

## 8. Installation

### Step #1. PREPARATION

Double check your forms, supplies and tools. Lightly spray sub-grade with water prior to pouring concrete (no standing puddles). Have plenty of help for the job and always purchase a little more product than estimated to compensate for variation in sub-grade height.

### Step #2. HAND MIXING

Mix contents of bag into the mixing vessel (e.g. wheelbarrow / bucket). Add 2 quarts of water (i.e. 1/2 gallon) to one bag 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 form / hole. Completely fill forms without air pockets or voids using a shovel to ensure adequate consolidation. Using a straight Board, screed off the surface. Use a bull float to level-off slab and close the surface (i.e. voids, screed marks, etc).

### Step #4. FINISHING & CURING

Wait for surface water to evaporate prior to final finishing. All AS&G bagged products can be hand-troweled, broom-finished, or power-troweled. Curing should be done using either chemical curing agents, water, burlap or plastic. Avoid placing heavy loads for 7 days.

**TABLE 1 PHYSICAL PROPERTIES**

Concrete Setting Time: ASTM C-191 **5 – 6 hours**

### TEST RESULTS (Compressive Strength, ASTM C-39)

Cure Time:	2" -3" Slump	4" -6" Slump
1 day	1,000 PSI	500 PSI
3 days	3,000 PSI	2,500 PSI
7 days	4,500 PSI	4,000 PSI
28 days	5,500 PSI	5,000 PSI