SPECIFICATION DATA

MORTAR MIX - #132720

Subsidiary of ALASKA BASIC INDUSTRIES

The Performance Company

1. Availability

AS&G's Mortar 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

3. Product Description

The Mortar Mix is designed for laying brick, concrete masonry units and stone. Mortar Mix is formulated to meet the ASTM C270 Type S specifications.

Color Packs from AS&G are available.

BAG SIZE

- **60 lb bag** / 50 bags per pallet

COVERAGE

- One bag will place **nine** 8" x 8" x 16" std. blocks or 28 standard bricks.
- 12 square feet at 1/2 inch.

4. Technical Data

- ASTM C-270 Standard Test Method for Mortar for Unit Masonry.

PHYSICAL/CHEMICAL PROPERTIES

AS&G's Mortar Mix meets or exceeds the property requirements of ASTM C-270 for the type selected. Reference to ASTM manual for ASTM C-270 in selecting the proper mortar type. Mortar 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 project immediately to prevent freezing for the first 72 hours. During freezing temperatures, mortar / concrete set-times will double. The usage of non-chloride accelerator is acceptable.

MADE IN ALASKA

8. Installation

Step #1. PREPARATION
For best performance, all surfaces receiving mortar should be clean and free of dirt, mud, grease and oil, etc.

Step #2. HAND MIXING
Mix contents of bag into the mixing vessel (e.g. mortar box / wheelbarrow / bucket). Begin by adding **1 gallon (4 quarts)** of water per bag, mixing thoroughly for best results. If mix is dry - add only small amounts of water at a time .

OR: MACHINE MIXING
Add contents of bag into mixer along with **1 gallon (4 quarts)** 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.

*Note: **ADDITIONAL WATER** may be necessary to achieve the desired mix consistency for placement. Do not exceed 1 ½ gallons of water per bag without using admixture. AS&G recommends using a Liquid bonding agent to improve workability.*

Step #3. PLACEMENT
Apply a full bed of mortar onto the base, approximately ½ inch – ¾ inch thick. Tool the mortar joints prior to mortar getting hard. Tooling the joint will make the mortar joint watertight and provide a neat appearance.

Step #4. FINISHING & CURING
Clean cement haze with a mild mixture of water and muriatic acid. Apply mixture with broom handle brush while wearing the appropriate safety gear. Rinse area thoroughly to neutralize acid.

TABLE 1 PHYSICAL PROPERTIES FOR MASONRY MORTARS

Materials	Type	Minimum Compressive Strength P.S.I.	Water Retention Minimum percent	Air Content Max %
Hydraulic Cement-Lime Mortars or cement mortars	M	2500	75%	12%
	S	**1800**	**75**	**12**
	N	750	75	14[1]
	O	350	75	14[1]
Masonry Cement Mortars	M	2500	75	18%
	S	**1800**	**75**	**18**
	N	750	75	18[2]
	O	350	75	18[2]

[1] *When structural reinforcement is included the maximum air content is 12%.*
[2] *When structural reinforcement is included the maximum air content is 18%.*