



# DUKE Concrete Products

50 Duke Industrial Park, Queensbury, NY 12804  
518-793-7743 Fax 518-793-0179  
www.dukeconcrete.com • info@dukeconcrete.com

## PRE -MIX



GM • 4,000 PSI

### 80# Bag Quikrete® Concrete Mix - *Portland, Sand, Stone, Gravel, Additives*

Consists of a uniformly blended, properly proportioned mixture of stone, gravel, sand, portland cement and other ingredients approved for use in concrete.

For pouring concrete 2" thick or more, and building or repairing anything out of concrete; foundation walls, footings, sidewalks, curbs, steps, ramps and walkways. Pipe and post footings, floor slabs and patios, driveway repairs.

**Certification:** ASTM C387

**Mixing:** For each 80 lb. bag of Concrete Mix, add approximately 6 pints of water. Add water until a workable mix is obtained.

**Yield:** An 80 lb. bag yields approximately .6 cubic feet.



1136-80 • 1,800 PSI

### 80# Bag Quikrete® Type S Mortar (Mason) Mix - *Portland, Lime, Sand*

A uniformly blended mixture of fine sand, and type N masonry cement. A type N masonry mortar for use in laying brick, block or stone; and repairing of masonry walls. Use for brick or stone fireplaces, brick walls, block walls, parge coats, tuck pointing, stucco and plaster.

**Certification:** ASTM 387 and ASTM C270

**Mixing:** Add 9 pints of water to each bag. Add more water if needed to achieve the correct consistency.

**Yield:** An 80 lb. bag yields approximately 12 standard block (8" x 8" x 16") or 37 standard brick (8" x 2" x 4")



SM • • 3,000 psi at 7 days  
5,000 psi at 28 days

### 80# Bag Quikrete® Sand / Topping Mix - *Portland, Sand, Additives*

Consists of a uniformly blended mixture of sand and portland cement and other ingredients approved for use in high strength mortars. Formulated for placing concrete overlays less than 2" thick. Add acrylic additive to mix for added strength. It is also used for patching and leveling steps, walks and floors. Use for chimney caps, large crack repairs, thick setting beds for ceramic floor tile, filling cores in masonry block or brick.

**Certification:** ASTM 387

**Mixing:** Add 8 pints of water to each bag. Add more water if needed to achieve correct consistency (maximum of 12 pints). For patches less than 1" thick, replace part of the mixing water with acrylic fortifier for improved bonding. Add directly to the mix at the rate of 1/2 gallon per 80 lb. bag.

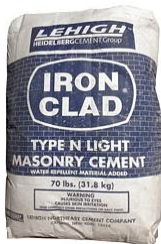
**Yield:** One bag yields approximately .66 cubic feet.

# MASONRY / MORTAR / PORTLAND

## Masonry / Mortar Cement - Portland, Lime

Hydraulic cement consisting of a mixture of portland cement and lime. Bonds units together in an integral structural assembly, seals joints against penetration by air and moisture, accommodates small movements within a wall, accommodates slight difference between unit sizes, and bonds to joint reinforcement, ties and anchors so that all elements perform as an assembly.

**Certification:** Conforms to ASTM C91. Will make ASTM C270 mortar for unit masonry when properly mixed with mason's sand and conforming with ASTM C144 and tested in full accordance with all applicable provisions of ASTM C270.



70 Lb. Type N Light GFML • **750 PSI**

A uniform, light gray color used for interior walls, exterior walls above grades, parapet walls and, stucco.



75 Lb. Type S GFMS • **1800 PSI**

Used where high or moderate strengths are necessary. For interior and exterior and load bearing walls



## 94 lb. Portland Cement Type I and I/II - Portland ONLY

Hydraulic cement, one of the main constituents of mortar and concrete.

**Certification:** Exceeds applicable chemical & physical requirements of ASTM C 150 and CSA A3000-08

### To Mix CONCRETE

1 : 2 : 3 parts by dry volume. One part Portland, two parts Sand, 3 parts Coarse Aggregate

To Mix MORTAR, use the following parts by volume

Mortar Type	Portland	Hydrated Lime	Aggregate Sand
N	1	1/2 to 1 1/4	2 1/4 to 3
S	1	1/4 to 1 1/2	2 1/4 to 3
M	1	1/4	2 13/16 to 3 3/4

Type I – GFP1

Type I/II – GFP2

ASTM C270 Mortar Specification	Proportion Requirements by Volume Choose from Portland / Lime or Premixed			Compressive Strength
	Mortar Type	Cementitious Materials	Damp, Loose Aggregate	PSI at 28 Days
	<b>N</b>	1 Portland	2 1/4 - 3 Times the Sum of the Vol. of Cement	<b>750</b>
		1/2 - 1 1/4 Lime 1 Masonry N		
<b>S</b>	1 Portland	Same as Above	<b>1800</b>	
	1/4 - 1/2 Lime			
	1/2 Portland			
	1 Masonry N 1 Masonry S			
<b>M</b>	1 Portland	Same as Above	<b>2500</b>	
	1/4 Lime			
	1 Portland			
	1 Masonry N 1 Masonry M			

Approximate Material Quantities (No Waste Allowance)					
Cementitious Materials					
SF Wall Surface Area	Qty of Units	Choose Masonry Cement or Portland / Lime			Cubic Ft. Mason Sand, Damp - Loose
		Bags Masonry Cement	Bags Portland Cement	Hydrated Lime Bags	
2 1/4" x 3 3/4" x 8" Brick Masonry Units - 4" thick wall - 1/2" joints					
100	620	2.4	1.2	1.2	7.2
160	1000	3.8	1.9	1.9	11.5
200	1240	4.8	2.4	2.4	14.4
8" x 8" x 16" Concrete Masonry Units - 8" thick wall - 1/2" joints					
83	100	2.5	1.3	1.3	7.5
100	120	2.8	1.4	1.4	8.5
200	240	5.6	2.8	2.8	17.0

# CONCRETE REPAIR / PATCH / GROUT



## 40 Lb. Bag Vinyl Concrete Patch - Portland, Sand, Vinyl Resin

Multi purpose concrete repair material with strong adhesive properties. Trowels to a featheredge of 1/4". Made of a special blend of resin, sand and portland cement. Just add water.

1133-40

5,000 PSI

- Use for:
- Repairing Cracked or Chipped Floor
  - Spall Marks on Surfaces
  - Repairing Joints



## 80 lb. Quikrete Core-Fill Grout, Fine - Portland, Sand, Additives

A blended, properly proportioned mixture of Portland cement, graded sand and other proprietary additives designed to provide a flowable grout.

Can be mixed to an 8 to 11 inch slump and poured or pumped into the cores of masonry walls. This product requires only the addition of water.

1585-08

3,000 PSI

Complies with the requirements of ASTM C-476

Estimated Yields per 80 lb. Bag		
Unit Size	Blocks Filled	Cores Filled
6" Block	3.4 - 3.8	6.8 - 7.6
8" Block	2.5 - 2.9	5.0 - 5.8
10" Block	2.1 - 2.3	4.2 - 4.6
12" Block	1.7 - 1.9	3.4 - 3.8

# COATINGS



## 40 Lb. Gray & 50 Lb. White Heavy Duty Masonry Coating - Portland, Additives

A powdered, portland cement based coating designed for use in damp-proofing and beautifying concrete and masonry walls. It adheres to the surface in a manner that allows it to become part of the masonry it covers. It is for use inside or outside, both above and below grade. It will withstand extreme heat, moisture and cold and is suitable for any climate. It is recommended for damp-proofing brick, block, stone and poured-in-place concrete walls.

40FCG - Gray

50FCW- White

Brushable Consistency

8,000 PSI

Trowelable Consistency

5,000 PSI

Particularly suitable for use on non-uniform colored masonry walls and improperly cured and map cracked concrete walls. It stops moisture, holds back water, seals and beautifies these surfaces:

- Porous concrete block and masonry
- Stucco
- Brick
- Stone



## 50 Lb. Gray Surface Bonding Cement - Portland, Lime, Sand, Fibers

AR (alkali resistant) fiberglass reinforced Portland cement formulations designed for use in the construction of concrete block walls above or below grade that are dry stacked above the first course. A versatile product that offers many additional uses and advantages, including:

1231-50 - Gray

3,500 PSI

- Dry Block Construction
- Waterproofing Block Walls
- Decorating and strengthening existing block and mortar walls

Applicable for both exterior and interior use, above and below grade, can be modified with acrylic fortifier and applied to other structural wall surfaces such as brick, concrete and terra cotta tile which are nonporous

# MISCELLANEOUS



## 50 Lb. Black Top Patch

An asphalt cold patch for repairing potholes and large cracks in asphalt pavement.

BTP

- No heating or mixing, pour directly from bag.
- Can be formed and compacted
- Patched area is ready for immediate use.