**PRE-MIX**

### 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.

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### 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, parget 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”)

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### 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.
ASTM C270 Mortar Specification

75 lb. Masonry / Mortar Cement Type S - 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.

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

94 lb. Portland Cement Type I - 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

94 lb. Portland Cement Type 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

94 lb. Federal White Portland Cement Type 1 - Portland ONLY

Federal White Type I Cement is a true portland cement manufactured with selected raw materials to insure negligible amounts of iron and manganese oxides so as not to produce the gray color of normal portland cement.

Certification: Exceeds applicable chemical and physical requirements of ASTM C 150

Proportion Requirements by Volume
Choose from Portland / Lime or Premixed

<table>
<thead>
<tr>
<th>Mortar Type</th>
<th>Cementitious Materials</th>
<th>Damp, Loose Aggregate</th>
<th>Compressive Strength PSI at 28 Days</th>
</tr>
</thead>
<tbody>
<tr>
<td>N</td>
<td>1 Portland 1/2 - 1 1/4 Lime 1 Masonry N</td>
<td>2 1/4 - 3 Times the Sum of the Vol. of Cement</td>
<td>750</td>
</tr>
<tr>
<td>S</td>
<td>1/4 - 1/2 Lime 1/2 Portland 1 Masonry N 1 Masonry S</td>
<td>Same as Above</td>
<td>1800</td>
</tr>
<tr>
<td>M</td>
<td>1/4 Lime 1 Portland 1 Masonry N 1 Masonry M</td>
<td>Same as Above</td>
<td>2500</td>
</tr>
</tbody>
</table>

Approximate Material Quantities (No Waste Allowance)

<table>
<thead>
<tr>
<th>SF Wall Surface Area</th>
<th>Qty of Units</th>
<th>Bags Masonry Cement</th>
<th>Bags Portland Cement</th>
<th>Hydrated Lime Bags</th>
<th>Cubic Ft. Mason Sand, Damp - Loose</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 1/4&quot; x 3 3/4&quot; x 8&quot; Brick Masonry Units - 4&quot; thick wall - 1/2&quot; joints</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>620</td>
<td>2.4</td>
<td>1.2</td>
<td>1.2</td>
<td>7.2</td>
</tr>
<tr>
<td>160</td>
<td>1000</td>
<td>3.8</td>
<td>1.9</td>
<td>1.9</td>
<td>11.5</td>
</tr>
<tr>
<td>200</td>
<td>1240</td>
<td>4.8</td>
<td>2.4</td>
<td>2.4</td>
<td>14.4</td>
</tr>
<tr>
<td>8&quot; x 8&quot; x 16&quot; Concrete Masonry Units - 8&quot; thick wall - 1/2&quot; joints</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>83</td>
<td>100</td>
<td>2.5</td>
<td>1.3</td>
<td>1.3</td>
<td>7.5</td>
</tr>
<tr>
<td>100</td>
<td>120</td>
<td>2.8</td>
<td>1.4</td>
<td>1.4</td>
<td>8.5</td>
</tr>
<tr>
<td>200</td>
<td>240</td>
<td>5.6</td>
<td>2.8</td>
<td>2.8</td>
<td>17.0</td>
</tr>
</tbody>
</table>
CONCRETE REPAIR / PATCH / GROUT

10 lb. & 20 lb. Bucket 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.
Use for:  
- Repairing Cracked or Chipped Floor  
- Spall Marks on Surfaces  
- Repairing Joints

50 lb. Kaufman Sure Grout – Portland, Sand, Additives
SureGrout is a precision made, ready to use, non-shrinking, non-metallic grouting compound for use in construction trades.
50 lb. moisture resistant, 4 ply bag with polyethylene liner. Each bag yields .45 cu. ft. when mixed normally.

<table>
<thead>
<tr>
<th>Compressive Strength Test Results, psi.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.7 qts. (Dry Pack)</td>
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<tr>
<td>28 Days</td>
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</tbody>
</table>

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.
Complies with the requirements of ASTM C-476

<table>
<thead>
<tr>
<th>Estimated Yields per 80 lb. Bag</th>
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</thead>
<tbody>
<tr>
<td>Unit Size</td>
</tr>
<tr>
<td>-----------</td>
</tr>
<tr>
<td>6&quot; Block</td>
</tr>
<tr>
<td>8&quot; Block</td>
</tr>
<tr>
<td>10&quot; Block</td>
</tr>
<tr>
<td>12&quot; Block</td>
</tr>
</tbody>
</table>

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.
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:
- 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
50 Lb. Black Top Patch – Sand, Stone, Asphalt
An asphalt cold patch for repairing potholes and large cracks in asphalt pavement.
- No heating or mixing, pour directly from bag.
- Can be formed and compacted
- Patched area is ready for immediate use.

75 Lb. Veneer Stone Mix – Portland, Lime, Additives - Smoke Color
The perfect custom mix of portland cement, hydrated lime, color and additives designed for veneer applications and tuck pointing of manufactured and natural stone.

80 Lb. Counter Top Mix – Portland, 3/8” Aggregate, Graded Sand, Superplasticizer, Additives
A flowable high strength commercial grade concrete mix designed for use in precast and cast-in-place concrete counter tops, requiring only the addition of water.
Each bag yields approximately 0.6 cu. Ft.