QUIKRETE® Construction Products Guide

The latest version of the QUIKRETE® Construction Products Guide provides technical data sheets and MSDS documents on every current QUIKRETE® product. Organized by construction divisions, the QUIKRETE® Construction Products Guide is available as a digest-sized (5.5” x 8.5”) book or on a USB drive, which allows users to download and e-mail technical data sheets and MSDS documents. Request a copy of the book and/or the USB by e-mailing marketing@QUIKRETE.com.

PRODUCT USE
QUIKRETE® Concrete Mix is designed for pouring concrete 2” (51 mm) thick or more and building or repairing anything out of concrete, including:
• Foundation walls and footings
• Sidewalks, curbs, steps, curbs and walkways
• Foundation walls and footings
• Sidewalks, curbs, steps, and walkways
• Pipe and post footings
• Floor slabs and patios
• Pools, fish pools, stepping stones
• Splashblocks and bird baths
• Riprap & slope protection
• Driveway repairs

SIZES
QUIKRETE® Concrete Mix is available in:
• 40 lb (18.1 kg) bags
• 60 lb (27.2 kg) bags
• 80 lb (36.3 kg) bags

YIELD
• An 80 lb (36.3 kg) bag yields approximately 0.60 cu ft (17 L)
• A 60 lb (27.2 kg) bag yields approximately 0.45 cu ft (12.7 L)
• A 40 lb (18.1 kg) bag yields approximately 0.30 cu ft (8.5 L)

TECHNICAL DATA
APPLICABLE STANDARDS
ASTM International - ASTM C387 Standard Specifications for Packaged, Dry, Combined Materials for Mortar and Concrete

PHYSICAL/CHEMICAL PROPERTIES
QUIKRETE® Concrete Mix exceeds the compressive strength requirements of ASTM C387, as shown in Table 1.

TABLE 1 TYPICAL COMPRESSIVE STRENGTH

<table>
<thead>
<tr>
<th>Compressive strength, ASTM C39</th>
<th>Typical Values</th>
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</thead>
<tbody>
<tr>
<td>Age</td>
<td>Typical Values</td>
</tr>
<tr>
<td>7 days</td>
<td>2500 psi (17.2 MPa)</td>
</tr>
<tr>
<td>28 days</td>
<td>4000 psi (27.6 MPa)</td>
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INSTALLATION
PREPARATORY WORK
Stake out the planned area and remove sod or soil to the desired depth. Nail and stake forms securely in place. Tamp and compact the sub-base until firm.

MACHINE MIXING INSTRUCTIONS
QUIKRETE® Concrete Mix can be mixed in a barrel type concrete mixer or a mortar mixer.
• Choose the mixer size most appropriate for the size of the job to be done
• Allow at least 1 cu ft (28 L) of mixer capacity for each 80 lb (36.3 kg) bag of QUIKRETE® Concrete Mix to be mixed at one time
• For each 80 lb (36.3 kg) bag of QUIKRETE® Concrete Mix to be mixed, add approximately 6 pt (2.8 L) of fresh water to the mixer
• Turn on the mixer and begin adding the concrete to the mixer
• If the material becomes too difficult to mix, add additional water until a workable mix is obtained
• If a slump cone is available, adjust water to achieve a 2” - 3” (51 - 76 mm) slump

HAND MIXING INSTRUCTIONS
• Empty concrete bags into a suitable mixing container
• For each 80 lb (36.3 kg) bag of mix, add approximately 6 pt (2.8 L) of fresh water
• Use a shovel, rake or hoe and add water as needed until a stiff, moldable consistency is achieved
• Be sure all material is wet

Note - Final water content should be approximately 6 - 9 pt (2.8 - 4.3 L) of water per 80 lb (36.3 kg) bag of concrete. For other bag sizes, use Table 2 to determine water content.

PRODUCT DESCRIPTION
QUIKRETE® Concrete Mix is a pre-blended mixture of cement and aggregates for general structural uses, requiring only the addition of water.