

FIBER REINFORCED DECK MIX & POLYMER MODIFIED FIBER REINFORCED DECK MIX

PRODUCT No. 1251-80, 1251-81

DIVISION 3

Maintenance of Concrete
03 01 00

PRODUCT DESCRIPTION

QUIKRETE® Fiber Reinforced Deck Mix (No. 1251-80) and Polymer Modified Fiber Reinforced Deck Mix (No. 1251-81) are made from specially blended cement, fibers, carefully graded aggregates and additives approved for use in structural concrete. The products are air entrained and contains other additives to promote superior durability, high strength, and long working time.



PRODUCT USE

QUIKRETE® Fiber Reinforced Deck Mix and Polymer Modified Fiber Reinforced Deck Mix are an air-entrained, normal-setting, fiber-reinforced material designed to repair highways, bridge decks, concrete parking lots, and other concrete surfaces. They are designed to be used as patching material for commercial applications at a thickness of 2" – 2 feet (51 - 610 mm). QUIKRETE® Fiber Reinforced Deck Mix Polymer Modified Fiber and Reinforced Deck Mix are fortified with an integral corrosion inhibitor.

SIZES

- 80 lb (36.3 kg) bags

YIELD

One 80-pound (36.3 kg) bag of QUIKRETE Fiber Reinforced Deck Mix will yield approximately 0.60 cu ft (17 L).

TECHNICAL DATA

APPLICABLE STANDARDS

- ASTM C 39 Standard Test Method for Compressive Strength of cylindrical Concrete Specimens
- ASTM C 231 Standard Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method

PHYSICAL/CHEMICAL PROPERTIES

QUIKRETE Fiber Reinforced Deck Mix when tested in accordance with ASTM procedures provides typical results as listed in Table 1.

TABLE 1 – FIBER REINFORCED DECK MIX PHYSICAL PROPERTIES

Compressive Strength (ASTM C39)	
24 Hours	1,800 psi (4.0 MPa)
3 Days	3,000 psi (20.7 MPa)
7 Days	4,200 psi (29.0 MPa)
28 Days	6,000 psi (41.4 MPa)
Air Content (ASTM C231)	5% - 8%

INSTALLATION MIXING

The product will require approximately 3 quarts (2.8 L) of water per 80 pounds of product. Add approximately 90% of the expected water then add the dry material. Adjust slump with additional water to achieve a slump of 4-7" (100-175 mm). Mix until a uniform product is obtained. Do not exceed 4.5 quarts (4.3 L) per 80 pound bag.

PLACING

- The forms and substrate should be thoroughly dampened but do not leave puddles
- Fill the forms completely working from one end to the other. Avoid partial depth lifts, which could result in cold joints
- Consolidate the material using hand tamping and/or chopping with a shovel. It is particularly important to compact around the edges of the forms or patches
- Screed the surface, and then apply a trowel or broom finish as desired

CURING

Proper curing increases the strength and durability of concrete repair materials. QUIKRETE® Concrete Sealer (No. 8800) provides the easiest and most convenient method of curing. Apply by spray, brush or roller, when the surface is hard, following the final finishing operation. The surface may be damp, but not wet, when applying the curing compound. Under hot, dry and windy placing conditions, all concrete

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tends to lose moisture unevenly and may develop plastic shrinkage cracks. The use of sheeting, monomolecular films (either sprayed or rolled on), as well as application of a very fine fog spray of water, has been quite successful in arresting shrinkage cracking.

PRECAUTIONS

- During extremely hot or dry conditions, cold water should be used to maintain mix at a moderate placement temperature

AVAILABILITY

QUIKRETE® Fiber Reinforced Deck Mix and Polymer Modified Fiber Reinforced Deck Mix are available at leading concrete construction supply houses & distributors. Contact QUIKRETE® Construction Products representative for the name of the nearest dealer.

WARRANTY

The QUIKRETE Companies warrant this product to be of merchantable quality when used or applied in accordance with the instructions herein. The product is not warranted as suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of its product (as purchased) found to be defective, or at the shipping companies' option, to refund the purchase price. In the event of a claim under this warranty, notice must be given to The QUIKRETE® Companies in writing. This limited warranty is issued and accepted in lieu of all other express warranties and expressly excludes liability for consequential damages.

MAINTENANCE

None required.

TECHNICAL SERVICES

The QUIKRETE® Companies maintain technical field representatives throughout the country. Contact a local distributor for the name and number of the nearest representative, or call QUIKRETE® Construction Products.

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** Refer to www.quikrete.com for the most current technical data, MSDS, and guide specifications*



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