

FIBER-REINFORCED DECK MIX

No. 1251-80, Polymer Modified Fiber-Reinforced Deck Mix (1251-81)

High-early strength, normal set, structural concrete mix

DIVISION 3

Maintenance of Concrete
03 01 00



Applications:

- Parking Garages
- Balconies
- Ramps
- Highways
- Bridge Decks
- Runways
- Driveways
- Parking Lots

Product Features:

- Normal set
- High-early strength gain
- AR glass fiber reinforced
- Air entrained for superior freeze/thaw durability
- Integral corrosion inhibitor
- Improved flexural strength

QUIKRETE® Fiber-Reinforced Deck Mix is a high-early strength concrete material used for large partial-depth or full-depth structural repairs to concrete from 2 inches thick to 24 inches thick. A special blend of corrosion inhibitor, air entrainment, carefully graded aggregates and other additives, **QUIKRETE® Fiber-Reinforced Deck Mix** is a high performance concrete mix containing proprietary admixtures to enhance freeze thaw stability, corrosion resistance, and resistance to shrinkage and cracking. **QUIKRETE® Polymer Modified Fiber-Reinforced Deck Mix (No. 1251-81)** does not require moisture curing.

Deck Mix Performance Data:

<u>Compressive Strength</u> (ASTM C39)		<u>Scaling Resistance after 25 Cycles</u> (ASTM C672)	
1 Day	2000 PSI (13.7 MPa)	Visual	≤ 1.0
3 Days	3000 PSI (20.6 MPa)	<u>Slant Shear Bond Strength</u> (ASTM C882)	
7 Days	4000 PSI (27.5 MPa)	28 Days	≥ 2000 PSI (13.7 MPa)
28 Days	6000 PSI (41.3 MPa)	<u>Tensile Strength by Direct Tension (Pull Off Method)</u> (ASTM C1583)	
<u>Flexural Strength</u> (ASTM C78)		28 days	≥ 350 PSI (2.4 MPa)
28 Days	≥ 600 PSI (4.1 MPa)	<u>Length Change</u> (ASTM C157)	
28 days, air		≥ -0.07%	
28 days, water		≤ 0.04%	
<u>Air Content</u> (ASTM C231)		4%-8%	
<u>Split Tensile Strength</u> (ASTM C496)		28 Days	
28 Days		≥ 400 PSI (2.7 MPa)	
<u>Freeze/Thaw Resistance</u> (ASTM C666)		After 300 Cycles	
After 300 Cycles		≥ 95 % Durability Factor	

YIELD:

- Each 80 lb (36.2 kg) bag yields approximately 0.6 CU FT (17 L) 42 bags per pallet

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