

RAPID ROAD REPAIR

No. 1242-51, Rapid Road Repair - Extended (1242-80)

Fiber reinforced, rapid hardening, very high strength repair material

DIVISION 32

Rigid Paving Repair
32 01 29



Applications:

- Highways
- Bridge Decks
- Runways
- Driveways
- Parking Garages
- Concrete Floors
- Parking Lots

Product Features:

- AR glass fiber reinforced
- Very high strength
- Rapid hardening
- Superior flexural performance
- Open to traffic in one hour
- Excellent scaling resistance

QUIKRETE® Rapid Road Repair is a very high strength, rapid hardening material used to make permanent repairs to concrete surfaces. The material is made of specially formulated fast-setting cements and is reinforced with AR glass fibers for improved flexural performance essential for applications of severe vibrations, such as bridge deck repairs.

QUIKRETE® Rapid Road Repair can typically have repaired surfaces open to traffic in one to two hours. **Rapid Road Repair** is used for partial to full depth repairs from 1/2" up to 4" thick. **Rapid Road Repair - Extended** is formulated to make partial to full depth repairs from 2" up to 24" thick.

Performance Data:

Rapid Road Repair

Compressive Strength (ASTM C109-Modified)

1.5 HR	3000 psi (20.6 MPa)
3 HR	3500 psi (24.1 MPa)
24 HR	5500 psi (37.9 MPa)
7 Days	7000 PSI (48.2 MPa)
28 Days	8000 PSI (55.1 MPa)

Bond Strength (ASTM C882)

1 Day	2000 PSI (13.7 MPa)
7 Days	2500 PSI (17.2 MPa)

Setting Time (ASTM C191)

Initial	15-25 minutes
Final	25-45 minutes

Freeze Thaw (ASTM C666)

After 300 Cycles ≥ 95% Durability Factor

Scaling Resistance (ASTM C672)

Scaled Material < 0.5 lb/ft²

Rapid Chloride Ion Penetration (ASTM C1202)

28 days < 1000 coulombs

Rapid Road Repair - Extended

Compressive Strength (ASTM C39)

1.5 HR	2000 PSI (13.7 MPa)
1 Day	4000 PSI (27.5 MPa)
7 Days	6500 PSI (44.8 MPa)
28 Days	8000 PSI (55.1 MPa)

Bond Strength (ASTM C882)

1 Day	1900 PSI (13.1 MPa)
7 Days	2300 PSI (15.8 MPa)

Setting Time (ASTM C191)

Initial	15-25 minutes
Final	25-45 minutes

Freeze Thaw (ASTM C666)

After 300 Cycles ≥ 95% Durability Factor

Scaling Resistance (ASTM C672)

Visual ≤ 1.0

Rapid Chloride Ion Penetration (ASTM C1202)

28 days < 2000 coulombs

YIELD:

- Each 50 lb (22.6 kg) bag yields approximately 0.4 CU FT (11.3 L) 63 bags per pallet
- Each 80 lb (36.2 kg) bag yields approximately 0.6 CU FT (17 L) 42 bags per pallet