

SHOTCRETE MS

No. 1229-80, Coarse (1229-82), Polypropylene Fiber Reinforced (1229-86),
AR Fiberglass Reinforced (1229-83)

*Dry process, micro-silica enhanced, pneumatically-applied,
structural repair material*



Applications:

- Tunnels
- Parking garages
- Ramps
- Bridge decks
- Piers/Beams
- Concrete pipes
- Tanks
- Mining

Product Features:

- Micro-silica enhanced
- High adhesion
- Very low permeability
- Improved sulfate resistance
- Low sag
- High build in a single pass
- Low rebound
- Fine & coarse mix designs
- Above or below grade

DIVISION 3

Shotcrete
03 37 13



QUIKRETE® Shotcrete MS is a high strength structural repair material for vertical, horizontal and overhead concrete placed using the dry process shotcrete method. The material typically achieves more than 7,500 PSI at 28 days in field applications. **QUIKRETE® Shotcrete MS** is specially designed for above or below-grade repairs. The material can be applied over mesh, rebar and other structural reinforcement. Mix can be customized with fiber, corrosion inhibitors and color to meet project specifications.

Performance Data:

	Shotcrete MS Fine	Shotcrete MS Coarse
<u>Rapid Chloride Permeability Test, (C1202)</u> Coulombs (@ 28 Days) Rating	<1000 very low	<1000 very low
<u>Compressive Strength (C39)</u> 1 Day 7 Days 28 Days	3500 PSI (24.1 MPa) 6500 PSI (44.8 MPa) 7500 PSI (51.7 MPa)	3500 PSI (24.1 MPa) 6500 PSI (44.8 MPa) 7500 PSI (51.7 MPa)
<u>Flexural Strength (C78)</u> 7 Days 28 Days	900 PSI (6.2 MPa) 1100 PSI (7.5 MPa)	900 PSI (6.2 MPa) 1100 PSI (7.5 MPa)
<u>Sulfate Resistance (ASTM C1012)</u> ΔL% @ 26 weeks	< 0.04%	< 0.04%
<u>Slant Shear Bond Strength (ASTM C882)</u> ΔL% @ 26 weeks	2000 PSI (13.7 MPa)	2000 PSI (13.7 MPa)
<u>Freeze/Thaw Resistance (ASTM C666)</u> After 300 Cycles	≥ 95% Durability Factor	≥ 95% Durability Factor

YIELD:

- Each 80 lb (36.2 kg) bag yields approximately 0.61 CU FT (17.0 L)
42 bags per pallet
- Each 3000 lb (1361 kg) bulk bag yields approximately 22.5 CU FT (637 L)