



# WET PROCESS SHOTCRETE MS

Coarse (1228-57), Fine (1228-59)

*Wet process, micro-silica enhanced, pneumatically-applied material designed for rehabilitation and new construction projects*

## DIVISION 3

Shotcrete  
03 37 13



**QUIKRETE® Wet Process Shotcrete MS** products are high performance, pneumatically applied cementitious materials designed for rehabilitation and new construction projects. They are ideal for jobs requiring high quality shotcrete placed specifically using the wet process shotcrete method. **QUIKRETE® Wet Process Shotcrete MS** contains admixtures specifically designed to make it ideal for use in wet process shotcrete applications, and the material can be used above or below-grade. The mix can also be customized with steel or synthetic fiber, corrosion inhibitor and pigment to meet project specifications.

### Applications:

- Bridge Repair
- Tunnels
- Parking Garages
- Mining
- Piers/Beams
- Concrete Pipes
- Tanks

### Product Features:

- Micro-Silica Enhanced
- High Strength
- Improved Sulfate Resistance
- High Adhesion
- Very Low Permeability
- Low Rebound
- Low Sag

### Performance Data:

Air Content, ASTM C 231 (Modified)

#### Wet Process Shotcrete MS Fine

5.5%

#### Wet Process Shotcrete MS Coarse

5.5%

Rapid Chloride Permeability Test, (C1202)  
Coulombs (@ 28 Days)  
Rating

<1000  
very low

<1000  
very low

Compressive Strength (C39)

1 Day  
7 Days  
28 Days

4000 PSI (27.5 MPa)  
7000 PSI (48.2 MPa)  
8000 PSI (55.1 MPa)

4000 PSI (27.5 MPa)  
7000 PSI (48.2 MPa)  
7500 PSI (55.1 MPa)

Flexural Strength (C78)

7 Days  
28 Days

900 PSI (6.2 MPa)  
1000 PSI (6.8 MPa)

900 PSI (6.2 MPa)  
1000 PSI (6.8 MPa)

Sulfate Resistance (ASTM C1012)  
ΔL% @ 26 weeks

< 0.04%

< 0.04%

Slant Shear Bond Strength (ASTM C882)  
ΔL% @ 28 days

≥ 2000 PSI (13.7 MPa)

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Freeze/Thaw Resistance (ASTM C666)  
After 300 Cycles

≥ 95% Durability Factor

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### Yield:

- Each 50 lb (22.6 kg) bag yields approximately 0.38 cubic feet (10.7 L).
- Each 80 lb (36.2 kg) bag yields approximately 0.61 cubic feet (17.2L).
- Each 3,000 lb (1360.7 kg) bulk bag yields approximately 22.8 cubic feet (645 L).

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