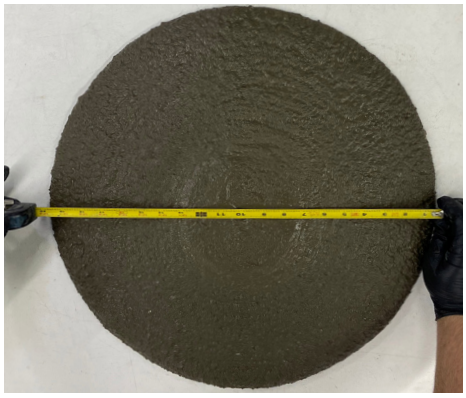
FORM & POUR MS CONCRETE MIX

No. 1120-80

High slump flow, micro-silica enhanced, structural concrete mix

DIVISION 3

Maintenance of Concrete
3 01 00
Structural Concrete
03 31 00



***QUIKRETE*® Form & Pour MS** is a high slump flow, high strength, low shrinkage pumpable concrete mix. The material is designed to be mixed to a highly flowable consistency. ***QUIKRETE*® Form & Pour MS** is designed for large volume, partial and full depth structural repairs to concrete using both form-and-pour and form-and-pump methods. The mix contains an integral corrosion inhibitor for greater protection of embedded reinforcement. The material also contains air entrainment for greater freeze-thaw stability and is micro-silica enhanced for reduced permeability.The material is single-component and pre-extended with 3/8" aggregate. The material is ideal for repairing complex shapes, while retaining excellent aggregate dispersion and encapsulation of reinforcement.

Applications:

- *Concrete Bridges*
- *Parking Structures*
- *Industrial Floors*
- *Columns*
- *Balconies*
- *Walls*
- *Leveling Beds*
- *Keyway Grouting*

Product Features:

- *Micro-silica enhanced*
- *Air entrained for superior freeze/thaw durability*
- *Integral corrosion inhibitor*
- *Shrinkage compensated*
- *Normal Set*
- *Low Permeability*
- *Free-flowing*
- *Pumpable*

Performance Data:

Slump Flow (ASTM C1611)
18 in to 22 in (455 mm to 555 mm)

Compressive Strength (ASTM C39)

1 Day	2000 PSI (13.7 MPa)
7 Days	5000 PSI (34.4 MPa)
28 Days	6500 PSI (44.8 MPa)

Setting Time (ASTM C191)

Initial	3-5 Hours
Final	7-9 Hours

Rapid Chloride Permeability (ASTM C1202)
28 Days < 2000 coulombs

Length Change (ASTM C157)

28 Days, air	-0.10%
28 Days, water	+0.10%

Slant Shear Bond Strength (ASTM C882)

7 Day	1500 psi (10.3 MPa)
28 Days	2000 PSI (13.7 MPa)

Freeze/Thaw Resistance (ASTM C666)
300 Cycles >90% Durability Factor

YIELD:

- Each 80 lb (36.2 kg) bag yields approximately 0.6 CU FT (17.0 L)
  42 bags per pallet
- Each 3000 lb (1360 kg) bulk bag yields approximately 22.5 CU FT (637 L)