Fact Sheet

Sikacrete® 211 SCC Plus

One-component, cementitious, polymer-modified, self consolidating concrete mix with an integral migrating corrosion inhibitor

Sikacrete® 211 SCC Plus

Powered by Sika ViscoCrete® Technology

APPLICATIONS

- Full depth repairs
- On grade, above and below grade on concrete
- Vertical and overhead surfaces when formed and pumped or poured
- As a structural repair material for parking facilities, industrial plants, walkways, bridges, tunnels, dams, and balconies
- Filler for voids and cavities

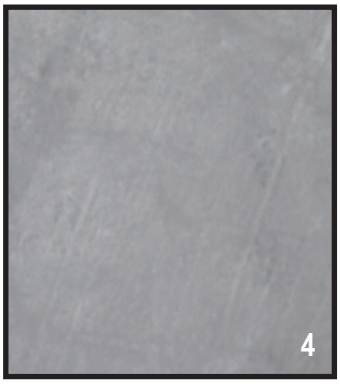
ADVANTAGES

- Self-consolidating concrete - excellent placement characteristics
- Polymer-modified
- Integral penetrating corrosion inhibitor
- Silica fume enhanced
- Can be pumped or poured into forms and gets excellent consolidation without vibrating.

TYPICAL DATA

- **Initial Spread**
  SCC, 27-33 in. approx.
- **Spread @ 30 min.**
  > 15 in.
- **Application Time**
  60 minutes
- **Flexural Strength (ASTM C-78)**
  1 day 500 psi (3.4 MPa)
  7 days 750 psi (5.2 MPa)
  28 days 1,000 psi (6.9 MPa)
- **Splitting Tensile Strength (ASTM C-496)**
  7 days 750 psi (5.1 MPa)
  28 days 1,000 psi (6.9 MPa)
- **Slant Shear Bond Strength* (ASTM C-882 modified)**
  1 day 1,000 psi (6.9 MPa)
  7 days 1,500 psi (10.3 MPa)
  28 days 2,500 psi (17.2 MPa)
- **Direct Tensile Bond (ACI 503)**
  1 day 250 psi (1.7 MPa)
  7 days 300 psi (2.1 MPa)
- **Compressive Strength (ASTM C-39)**
  1 day 2,000 psi (13.8 MPa)
  7 days 6,000 psi (41.4 MPa)
  28 days 7,000 psi (48.3 MPa)
- **Shrinkage (ASTM C-157)** 28 days <0.05%
- **Chloride Ion Permeability (ASTM C-1202)**
  28 days <650 Coloumbs
- **Freeze Thaw Resistance (ASTM C-666)** 300 cycles >99%
- **Length change after 6 months** 0.006

*Mortar scrubbed into substrate.



1. Form the underside of a parking deck.

2. Mix the Sikacrete 211 SCC to the appropriate consistency.

3. Pour the mixed material in the forms. Once filled, depending on the size of the pour, vibration may be required.

4. Finish as desired. Strip the forms after necessary strength gain.

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