

SCB CONCRECIVE® 1350

Structural Concrete Bonding Process injection resin

DESCRIPTION:

SCB CONCRECIVE[®]1350 is a two-component, solventless, low viscosity liquid epoxy adhesive for pressure injection grouting. This very fast gelling epoxy system makes it the product of choice for low viscosity pressure grouting applications where the injection adhesive cannot be fully contained by the surface dams. SCB CONCRECIVE 1350 was developed specifically for use with the Structural Concrete Bonding (SCB) Process and is available in the Americas only through Master Builders network of SCB Process Licensees.

RECOMMENDED FOR:

- Repairing cracks in concrete slabs on grade
- Crack repair in masonry structures

FEATURES/BENEFITS:

- Fast cure rate
- Can be injected into cracks on grade or vertical surfaces where sealing from the opposite side is not possible

PACKAGING/ESTIMATING:

SCB CONCRECIVE 1350 is packaged in 3, 15 and 150 gal (11.4, 19 and 568 L) units

PERFORMANCE DATA¹:

Mix Ratio by volume 2:1
by weight 100:45

Form Liquid

Color Part A Straw Part B Black Mixed Black

Mixed Specific Gravity, g/ml 1.1

Viscosity, cps @77 °F (25 °C) 400 to 900

Pot Life, 200 g mass/min. @ 77 °F (25 °C) 3 to 4

Gel Time, hr. 5 mils @ 77 °F (25 °C) 3 to 3.5

Tensile Strength 6,900 psi (47.61 MPa)
(ASTM D 638)

Elongation at Break, % 3
(ASTM D 638)

Flexural Strength

(ASTM D 790) 24 hour cure 9,900 psi (68.31 MPa)
3 day cure 10,700 psi (73.83 MPa)
7 day cure 11,450 psi (79 MPa)

Modulus of Elasticity, psi

(ASTM D 790) 24 hour cure 2.9×10^5
3 day cure 4.0×10^5
7 day cure 4.1×10^5

Compressive Strength

(ASTM 695) 24 hour cure 9,850 psi (68 MPa)

Heat Deflection Temperature

(ASTM D 648) 105 °F (41 °C)

Adhesive Properties of Bonded Concrete Broken in Flexure

24 hr. @ 77 °F (25 °C)

Dry concrete, 550 lb load 100% concrete failure

Wet concrete, 450 lb load 70% concrete failure

24 hr. @ 45 °F (7 °C)

Wet concrete, 400 lb load 70% concrete failure

7 days @ 77 °F (25 °C)

Dry concrete, 600 lb load 100% concrete failure

Dry concrete, 475 lb load 100% concrete failure

¹The properties listed on this data sheet are typical and descriptive. Cure time 7 days; test and cure 77 ° F (25 ° C) unless stated otherwise.

APPLICATION:

SCB CONCRECIVE 1350 Injection Resin and the SCB Process are available only through a SCB Process Licensee. Consult your local Master Builders office for the Licensee near you.

LIMITATIONS:

- Application temperature range is 40 °F to 100 °F (4 °C to 38 °C).
- Shelf life is 18 months (minimum) in sealed containers stored between 32 °F and 90 °F (0 °C and 32 °C). After 18 months, consult Master Builders or retest product to material specification.
- This product should be used by qualified personnel for recommended applications.
- Mixed components contain chemical compounds which may cause allergic skin and respiratory reaction. Harmful if swallowed. Do not get into eyes, on skin or on clothing. Use only with adequate ventilation. Wash thoroughly after handling.
- The use of barrier creams such as Kerodex No. 71 or Indco Labs No. 211, 213, or 214 is recommended. Clean latex rubber gloves or disposable polyethylene gloves should always be worn. Should skin contact occur, wash immediately with soap and cold water, Epocleanse 6001 or other suitable hand cleaner.

RELATED BULLETINS:

SCB CONCRETE 1350 - Material Safety Data Sheet
Master Builders Specification Bulletin 6S1 and 6S3

Master Builders, Inc. United States

23700 Chagrin Boulevard
Cleveland, Ohio 44122-5554
(800) MBT-9990
Fax (216) 831-6910

Canada

3637 Weston Road
Toronto, Ontario M9L 1W1
(800) 387-5862
Fax (416) 741-7925

Mexico

Bld. M. Avila Camacho 80, 3er Piso
53390 Naucalpan, México
011-525-557-5544
Fax 011-525-395-7903