

SCB CONCRESlVE® 1360

Structural Concrete Bonding Process injection resin

DESCRIPTION:

SCB CONCRESlVE 1360 is a two-component, solventless, ultra low viscosity liquid epoxy adhesive for pressure injection grouting. SCB CONCRESlVE 1360 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:

- Structurally re-bonding cracked concrete sections
- Re-bonding delaminated concrete toppings
- Filling porous or honeycombed concrete or grout
- Anchoring bolts, dowels, and reinforcing bars
- Pressure grouting voids prepacked with aggregate to form bearing pads

FEATURES/BENEFITS:

- Excellent penetration of fine fissures
- Stabilized viscosity remains very low throughout application temperature range
- High Heat Deflection Temperature (HDT) providing increased resistance to creep and stress relaxation

PACKAGING/ESTIMATING:

SCB CONCRESlVE 1360 is packaged in 2.8, 14 and 140 U.S. gal (10.6, 53 and 530 L) units.

PERFORMANCE DATA¹:

Mix Ratio	by volume	2.5:1
	by weight	100:34
Form		Liquid

	Part A	Part B	Mixed
Color	Straw	Black	Black

Density @ 77 °F (25 °C)

lb/gal	9.6	8.2	9.3
g/ml	1.15	0.98	1.12

Viscosity, cps

40 °F (4 °C)	650	380	600
77 °F (25 °C)	165	100	140
100 °F (38 °C)	90	40	55

Curing Characteristics

Pot Life @ 60 grams mass

77 °F (25 °C)	26 minutes
100 °F (38 °C)	12 minutes

Thin Film Tack Free Time (3 hr.), 5 mils @ 77 °F (25 °C)

Thin Film Full Cure Time (2 day), 5 mils @ 77 °F (25 °C)

Thin Film Full Cure Time (7 day), 5 mils @ 40 °F (4 °C)

Properties of Cured Material²

Tensile Strength 8,000 psi (55.20 MPa)
(ASTM D 638)

Elongation at Break, % 2.0
(ASTM D 638)

Flexural Strength 13,000 psi (89.7 MPa)
(ASTM D 790)

Flexural Modulus 5.0 x 10⁵ psi
(ASTM D 790)

Compressive Strength 15,000 psi (103.5 MPa)
(ASTM D 695)

Compressive Modulus 4.0 x 10⁵ psi
(ASTM D 695)

Heat Deflection Temp. 140 °F (60 °C)
(ASTM D 648)

Slant Shear Strength, 20 mils thickness (AASHTO T 237)

3 days @ 40 °F (4 °C), wet	4,000 psi 27.6 MPa	80% Adhesive Failure
7 days @ 40 °F (4 °C), wet	4,500 psi 31 MPa	100% Concrete Failure
1 day @ 77 °F (25 °C), dry	5,000 psi 34.5 MPa	100% Concrete Failure

¹ The properties listed on this data sheet are typical and descriptive.

² Cure time, 7 days; test and cure temperature 77 °F (25 °C).

APPLICATION:

SCB CONCRESlVE 1360 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 35 °F to 125 °F (2 °C to 52 °C).
- Minimum cure temperature is 32 °F (0 °C).
- Shelf life is 18 months (minimum) in sealed containers stored between 40 °F and 90 °F (4 °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.
- The A and B components of SCB CONCRETSIVE 1360 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 CONCRETSIVE 1360 – Material Safety Data Sheet
Master Builders Specification Bulletins 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

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