

SCB CONCRESlVE® 1340

Structural Concrete Bonding Process injection resin

DESCRIPTION:

SCB CONCRESlVE® 1340 is a two-component, solventless, low viscosity liquid epoxy adhesive for the repair of concrete, masonry and wood. This structural adhesive has an extended pot life for use in hot weather [95 °F to 120 °F (35 °C to 49 °C)] injection applications. The slower curing system also lowers exotherm potential for many void filling applications. SCB CONCRESlVE 1340 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, masonry and wood sections
- Filling porous or honeycombed concrete or grout
- Grouting voids pre-packed with aggregate
- Anchoring bolts, dowels and reinforcing bars

FEATURES/BENEFITS:

- Excellent penetration of fine fissures
- High heat deflection temperature (HDT) providing increased resistance to creep and stress relaxation
- Reduced exotherm exposure
- Prevents premature gelling in hot weather

PACKAGING/ESTIMATING:

SCB CONCRESlVE 1340 is packaged in 3, 15 and 150 gal (11.4, 57, and 568 L) units.

PERFORMANCE DATA¹:

Mix Ratio, by volume

2:1

Form

Liquid

	Part A	Part B	Mixed
Color	Straw	Amber	Amber
Viscosity, cps	700	55	240
Density, lb/gal	9.6	8.1	9.1

Pot Life, min. (158 gram/mass)

50

Cure Time days	Temperature °F (°C)	Strength ² psi (MPa)
3	46 (8)	7,200 (49.7)
7	46 (8)	9,700 (66.93)
14	46 (8)1	2,000 (82.8)
1	73 (23)	10,500 (72.45)
2	73 (23)	12,000 (82.8)
7	73 (23)	12,000 (82.8)
1 day	100 (38)	12,000 (82.8)

Tensile Strength

(ASTM D 638)

9,000 psi (62.10 MPa)

Elongation at Break,%

(ASTM D 638)

2.6

Impact Resistance, in/lb

(Gardner Impact, direct)

100

Flexural Strength

(ASTM D 790)

14,000 psi (96.6 MPa)

Flexural Modulus, psi

(ASTM D 790)

4.0 x 10⁵

Compressive Strength

(ASTM D 695)

12,000 psi (82.80 MPa)

Compressive Modulus, psi

(ASTM D 695)

3.5 x 10⁵

Heat Deflection Temperature,

(ASTM D 648)

140 °F (60 °C)

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

² Compressive Yield Strength (ASTM D 695 Modified - standard cure time and temperature modified to document cure times.)

APPLICATION:

SCB CONCRESlVE 1340 injection resin and the SCB Process is available only through Master Builders SCB Process Licensees. Consult your local Master Builders office for the licensed contractor near you.

LIMITATIONS:

- Application temperature range is 35 °F to 125 °F (2 °C to 52 °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 1340 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 or other suitable hand cleaners.

RELATED BULLETINS:

SCB CONCRETSIVE 1340 – Material Safety Data Sheet
Master Builders Specification Bulletins 6S1 and 6S3

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