

SCB CONCRESlVE® 1330

Structural Concrete Bonding process injection resin

DESCRIPTION:

SCB CONCRESlVE® 1330 is a two-component, solventless, low viscosity liquid epoxy adhesive for pressure injection grouting. This product has been specially formulated for structural use in high temperature environments where concrete temperatures are frequently above 110 °F (43 °C). SCB CONCRESlVE 1330 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
- Anchoring bolts, dowels and reinforcing bars
- Grouting void areas prepacked with aggregate
- Joining of precast members

FEATURES/BENEFITS:

- Very high heat deflection temperature allows structural use in elevated temperature application
- High resistance to creep and stress relaxation at sustained temperature to 165 °F (74 °C)

PACKAGING/ESTIMATING:

SCB CONCRESlVE 1330 is packaged in 2.3 gal (8.7 L) units.

PERFORMANCE DATA¹:

Mix Ratio	by volume	3.7:1
	by weight	100:26
Form		Liquid
Color (Mixed)		Clear, dark amber
	Part A	Part B
Viscosity , cps (ASTM D 1824 mod.)	1000 +/- 150	160 +/- 30
Pot Life , hr. (100 g/mass)		2.8 - 4.3
Tensile Strength ² , minimum (ASTM D 638)		4,000 psi (27.6 MPa)
Elongation at Break ² , % (ASTM D 638)		.05 minimum
Compressive Strength ³ , (ASTM D 695)		
77°F (25 °C)		17,000 psi (117.3 MPa)
167°F (75 °C)		8,500 psi (58.65 MPa)
Compressive Modulus ³ (ASTM D 695 mod.)	@ 77 °F (25 °C)	2.0 x 10 ⁵
	@ 167 °F (75 °C)	1.0 x 10 ⁵
Heat Deflection Temperature , °F (°C) (ASTM D 648)		
Cure Schedule:		
7 day @ 77 °F		110 (43)
24 hr @ 77 °F + 24 hr @ 140 °F		150 (66)
24 hr @ 77 °F + 24 hr @ 200 °F		190 (88)
Aggregate Extended System ⁴		
Aggregate to Binder Ratio		5:1
Exotherm, approx. max. 1 gal (3.785 L) mass, °F/hr.		150/4.5
Compressive Strength ⁵	77 °F (25 °C)	13,500 psi (93.15MPa)
(ASTM D 695)	167 °F (75 °C)	8,500 psi (58.65 MPa)
Compressive Modulus ⁵ (ASTM D 695 mod.)	@ 77 °F (25 °C)	4.5 x 10 ⁵
	@ 167 °F (75 °C)	2.0 x 10 ⁵

¹ The properties listed on this data sheet are typical and descriptive at 77 °F (25 °C).

² Cure Schedule: 7 days @ 77 °F (25 °C).

³ Cure Schedule: 24 hr @ 77°F (25 °C) + 4 hr @ 140 °F (60 °C).

⁴ Lapis luster coarse aquarium sand, Lone Star Industries, Inc.

⁵ Cure schedule: 24 hr @ 77 °F (25 °C) + 4 hr @ 140 °F (60 °C).

APPLICATION:

SCB CONCRETSIVE 1330 Injection Resin and the SCB Process is available only through a SCB Process Licensees. Consult your local Master Builders Office for the Licensee near you.

LIMITATIONS:

- Application temperature range is 60 °F to 160 °F (16 °C to 71 °C).
- Shelf life is 9 months (minimum) in sealed containers stored between 40 °F and 80 °F (4 °C and 27 °C). After 9 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 1330 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 1330 - Material Safety Data Sheet
Master Builders Specification Bulletins 6S1 and 6S3

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