



TYKON
CONCRETE REPAIRS LTD



SCB PROCESS®
RESINOUS CRACK INJECTION REPAIR

Fields of Application:

Resin injection of cracks in concrete, masonry, wood and steel to provide structural bonding and sealing. The SCB Process is also used for specialty epoxy grouting, such as rock pockets, dowels or pre-placed aggregate grouting. Applications include:

- Buildings - Floors and Walls
- Highway and Airport Pavements
- Columns and Beams
- Bridges, Piers and Dams
- Water Treatment Facilities
- Tunnels and Pipes
- Tanks and Silos
- Power Plants
- Parking Structures
- Earthquake Damaged Structures

Environment:

- All concrete, masonry, wood, steel structures and surfaces requiring structural bonding of cracks .002" to .25" (for neat material).
- Indoor and outdoor repairs subject to thermal movement and exposure to water and air-borne sulfates and chlorides.
- Cementitious-based substrates that cannot be repaired with cementitious materials due to tensile forces.



Description:

The SCB (Structural Concrete Bonding®) Process is a method of permanently repairing structures to their originally designed integrity. The SCB Process consists of CONCREACTIVE® injection resins, the SCB Model 20 Pump for dispensing product and a proven, proprietary procedure to ensure a lasting structural repair.

Benefits:

- Ready to use products and metering equipment for secure applications.
- Complete range of products for bonding, waterproofing and sealing.
- Self contained process for easy portability and accessibility.
- Economic repair procedure for minimum production downtime.
- High bond strength to virtually any construction material - wet or dry.
- Low viscosity injection resins for full depth penetration of up to 20 feet.
- Specified and proven technology for more than 35 years.



Product Comparison:

Product	Description	Crack Width (No Extension)	Temperature		Applications / Features			
			Minimum	Maximum	Tight Cracks	Voids	Creep Resist.	Slump Resist.
SCB CONCREACTIVE® 1380	Low viscosity epoxy injection resin.	.005" to .25" ^a	32°F (0°C)	110°F (43°C)			●	
SCB CONCREACTIVE® 1360	Ultra low viscosity epoxy injection resin.	.002" to .25"	35°F (2°C)	125°F (52°C)	●		●	
SCB CONCREACTIVE® 1370	Large void and radiation-resistant epoxy injection resin.	.005" and above ^a	50°F (10°C)	100°F (38°C)		●		
SCB CONCREACTIVE® 1350	Fast setting, low viscosity epoxy injection resin.	.005" to .25" ^a	40°F (4°C)	100°F (38°C)				●

^aDepending on temperature

