

Crack Injection is a Sticky Business: Simpson Can Help!

Crack injection is a proven method to repair cracks in concrete. Unfortunately, it can be expensive and time consuming to acquire the right equipment and get it working properly.

Simplification of the crack injection process and increased reliability were the goals behind development of Simpson Strong-Tie's new Crack Repair Epoxy Systems.

Simpson Strong-Tie's ETI Injection Epoxies are specially designed formulations for the injection of cracks in concrete. ETI epoxies are two-component, 1:1 ratio, 100% epoxy solids formulations. They are available in 22 ounce side-by-side cartridges and are dispensed through a static mixing nozzle using a manual or pneumatic dispensing tool. ETI is available in two viscosities: ETI-LV (*low viscosity*) and ETI-GV (*gel viscosity*) to handle a wide range of crack widths. Properly applied, they provide a repair that is both waterproof and high strength (*structural*).

ETI SYSTEM FEATURES:

- Chemically bonds with the concrete to provide a structural repair (*meets the requirements of ASTM C-881 as a structural repair epoxy*).
- Seals the crack from moisture, protecting rebar in the concrete from corrosion and flooring from moisture damage.
- Both viscosities formulated for maximum penetration under pressure.
- Side-by-side cartridge dispensing provides reliable mixing and ratio control when used with the New Simpson Strong-Tie Opti-Mix™ static mixing nozzle.
- Eliminates the need for expensive bulk dispensing equipment. Either formulation can be dispensed using a manual or pneumatic dispensing tool (*ETI-LV requires the use of the Opti-Mix nozzle, model EMNO22, which is included with the cartridge*).
- Black and white components allow easier verification of mixing than systems utilizing same color components. The cured epoxy is gray for a better color match with the concrete in exposed conditions.
- Suitable for pressure injection or gravity-feed applications.
- Non-shrink material resistant to oils, salts and mild chemicals.



Suitable for pressure injection or gravity feed applications.

ETI-LV LOW VISCOSITY INJECTION EPOXY

- Low viscosity epoxy (*1790 cps*) for repair of fine to medium width cracks $\frac{1}{64}$ " - $\frac{3}{16}$ " in width.
- Low surface tension allows the material to effectively penetrate narrow cracks.
- Meets the requirements of ASTM C-881 Type I, II, IV and V, Grade 1, Classes B and C. Suitable for structural repairs.
- Meets the requirements of NSF Standard 61 for contact with potable water.

ETI-GV GEL VISCOSITY INJECTION EPOXY

- Gel viscosity epoxy for repair of medium cracks $\frac{3}{32}$ " - $\frac{1}{4}$ " in width.
- Decreases in viscosity under pressure for increased flowability.
- Meets the requirements of ASTM C-881 Type I, II, IV and V, Grade 3, Classes B & C. Suitable for structural repairs.



ETI-LV



ETI-GV

ETI Product Data

Model No.	Capacity ounces (cubic inches)	Cartridge Type	Carton Qty.	Mixing Nozzle
ETILV22	22 (39.7)	Side-by-Side	10	EMNO22 (included)
ETIGV22				

The ETI-LV must be used with the Opti-Mix nozzle (EMNO22) for proper mixing. ETI-GV may also be used with the standard EMN22 mixing nozzle for gravity feed applications in large cracks.