

## FIVE STAR® INJECTION GEL

### PERFORMANCE SPECIFICATION

- A. The injection material shall be 100% solids, moisture insensitive, structural epoxy adhesive gel that meets ASTM C 881 Types I, II, IV, and V, Grade 3, Classes B & C. The injection material shall be used for crack injection, anchoring and sealing. The manufacturer shall be ISO 9001 certified and have at least five years experience in the manufacture of epoxy adhesives.
- B. The injection material shall meet all the following typical performance criteria when cured at 73°F (23°C):

1.	Compressive Properties, ASTM D 695	
	Compressive Strength	11200 psi (77.3 MPa)
	Compressive Modulus of Elasticity	2.5 x 10 <sup>5</sup> psi (1724 MPa)
2.	Bond Strength, ASTM C 882	
	2 Days	2200 psi (15.2 MPa)
	14 Days	2400 psi (16.6 MPa)
3.	Shrinkage, ASTM D 2566	0.0007 in/in (mm/mm)
4.	Shear Strength, ASTM D 732	3500 psi (24.2 MPa)
5.	Gel Time, ASTM C 881	35 minutes
6.	Water Absorption, ASTM D 570	0.63%

*The data shown above reflect typical results based on laboratory testing under controlled conditions. Reasonable variations from the data shown above may result. Test methods are modified where applicable.*

- C. The structural epoxy adhesive gel shall be Five Star Injection Gel, as manufactured by Five Star Products, Inc., Fairfield, Connecticut.