

FIVE STAR® EPOXY CHOCK

PERFORMANCE SPECIFICATIONS

A. Nonshrink epoxy chock shall be a two component, 100% solids, premeasured, prepackaged, solvent free, thermosetting epoxy resin system. The manufacturer shall be ISO 9001 certified and have at least five years experience in the manufacture of precision epoxy-based machinery chocks.

B. The grout material shall meet all the following typical performance criteria:

1.	Expansion, ASTM C 827	Positive Expansion: maximum 1%
2.	Compressive Strength, ASTM C 579 B	19850 (137 MPa)
3.	Compressive Secant Modulus	8.0 x 10 ⁵ psi (0.55 x 10 ⁴ MPa)
4.	Coefficient of Linear Thermal Expansion, ASTM C 531 32°F to 140°F (0°C to 60°C)	16.7 x 10 ⁻⁶ in/in/°F (29.5 x 10 ⁻⁶ mm/mm/°C)
5.	Flexural Strength, ASTM C 580	5900 psi (41.0 MPa)
6.	Tensile Strength, ASTM C 307	2250 psi (16.0 MPa)
7.	Fire Resistance, ASTM D 635	Self Extinguishing

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 nonshrink epoxy chock shall be Five Star Epoxy Chock manufactured by Five Star Products, Inc., Fairfield, Connecticut.