

FIVE STAR® SPECIAL GROUT 550

PERFORMANCE SPECIFICATION

- A. Nonshrink cementitious grout shall be a preproportioned, prepackaged, precision cement-based grout requiring only the addition of potable water. The grout shall not contain metallic aggregate, expansive cement, or gas generating additives such as aluminum powder. The grout shall be formulated for high temperature applications and contain an air release aggregate to generate positive expansion. The manufacturer shall be ISO 9001 certified and have at least five years experience in the manufacture of precision cement-based grouts.
- B. The grout material shall meet all the following typical performance criteria when cured at 73°F (23°C):

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| 1. | Early Height Change, ASTM C 827 | 0.0 to 4.0% |
| 2. | Hardened Height Change, ASTM C 1090 | 0.0 to 0.3% |
| 3. | Effective Bearing Area | 95% |
| 4. | Compressive Strength, ASTM C 109
7 Days | 5000 psi (34.5 MPa) |
| 5. | Bond Strength, ASTM C 882
28 Days | 2000 psi (13.8 MPa) |
| 6. | Meets performance requirements of ASTM C 1107,
Grades A, B and C. | |

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 cementitious grout for high temperature applications shall be Five Star Special Grout 550, manufactured by Five Star Products, Inc., Fairfield, Connecticut.