



# TECHNICAL BULLETIN 104

## Epoxy Grouting in Hot Weather

High temperatures decrease the working time of epoxy grouts. The guidelines below may help compensate for these conditions.

- A. All epoxy grout components (resin, hardener and aggregate) should be pre-conditioned so the mixed material is between 60°F and 90°F (16°C and 32°C). Due to the mass of palletized material (aggregate), up to 72 hours of pre-conditioning may be required. Store all epoxy grout components in a cool, shaded area out of direct sunlight.
- B. All surfaces, equipment and tools in contact with epoxy grout should be shaded and kept at temperatures between 60°F and 90°F (16°C and 32°C). Do not use water to cool surfaces or equipment in contact with epoxy grout.
- C. Shade application area from direct sunlight and, where feasible, place epoxy grout when temperatures are decreasing, at night or during early morning.
- D. Place epoxy grout immediately after mixing. Do not allow epoxy grout to sit for extended periods of time in buckets or wheelbarrows.
- E. Maintain shading of application area for 24 hours after placement.

#### REFERENCE:

ACI 351.1R-R99: "Grouting Between Foundations and Bases for Support of Equipment and Machinery"

PIP/API RP 686: "Process Industry Practices"



Five Star Technical Bulletins are provided for informational purposes only and should be used as general guidelines for consideration by contractors and engineers. While every reasonable effort has been made to ensure this information is accurate and authoritative, Five Star Products does not warrant the accuracy or completeness of this information, or its appropriateness for any particular purpose. The user of these documents remains solely responsible for the specification of all methods, materials and practices.

**FIVE STAR PRODUCTS, INC.**  
 60 Parrott Drive  
 Shelton, CT 06484 USA  
 Phone: +1 203-336-7900  
 Support: 1-800-243-2206 (IN THE U.S.)

For information 1-800-243-2206 ▪ FiveStarProducts.com