



## Strong-Seal® Geopolymer

**INTENT:** To provide a corrosion resistant product that can structurally rebuild deteriorated corrugated metal pipes, storm drains, catch basins, culverts, manholes and other infrastructure back to original dimensions.

<p style="text-align: center;"><b>Strong-Seal® Geopolymer</b></p> <p>Strong-Seal® Geopolymer is a sustainable, cost-effective, specially formulated, fiber-reinforced mortar. Typical physical properties:</p> <ul style="list-style-type: none"> <li><b>A. Compressive Strength:</b> ASTM C109 &gt; 2500 psi at 24 hours &gt;8000 psi at 28 days</li> <li><b>B. Tensile Strength:</b> ASTM C496                      &gt;900 psi</li> <li><b>C. Flexural Strength:</b> ASTM C293                      &gt;1300 psi</li> <li><b>D. Shrinkage at 90% R.H.:</b> ASTM C596                      0.0%</li> <li><b>E. Modulus of Elasticity:</b> ASTM C469                      &gt; 5,000,000</li> <li><b>F. Bond Strength to concrete:</b> ASTM C882                      &gt;5000 psi</li> <li><b>G. Chemical Resistance:</b> ASTM C267                      0.0% mass loss</li> <li><b>H. Freeze/Thaw Resistance:</b> ASTM C666                      After 300 cycles     No visible damage</li> <li><b>I. Antimicrobial Activity (ISO22196):</b> 24 hours 99.9%</li> <li><b>J. Wet Unit Weight:</b> 135 ± 5 lb/ft<sup>3</sup></li> <li><b>K. Packaging:</b> 65 lb. bag</li> <li><b>L. Mix Water:</b> 0.5 – 0.6 gallons per bag</li> <li><b>M. Yield:</b> 0.57 ft<sup>3</sup> per bag</li> </ul>	<p style="text-align: center;"><b>SURFACE PREPARATION</b></p> <p>All foreign material shall be removed from the substrate using a high-pressure water spray (minimum 3000 psi). Stop active infiltration by using Strong Plug. Fill any large voids with Quick Setting Repair (QSR) material. Rebuild deteriorated inverts with Grout 12,000.</p> <p style="text-align: center;"><b>INSTALLATION</b></p> <p>Strong-Seal® Geopolymer can be centrifugally cast using the Strong-Seal® Systems mixer, pump, and spinner. It may also be sprayed manually.</p> <p>First add water to mixer, start mixer and add Strong-Seal® Geopolymer until product is completely mixed. Spray to specified thickness.</p> <p style="text-align: center;"><b>WARRANTY</b></p> <p>The Strong Company, Inc. warrants that this product was produced in conformity with its standard specification or formulations within recognized tolerances, free of adulteration or contamination, and that the product will perform in accordance with representations in Strong-Seal® Systems literature and Technical Data Sheets when properly applied in strict conformance with the printed instructions on container and prescribed in technical data instructions and when applied to a properly prepared surface.</p> <p>The sole remedy of the purchaser shall be replacement of the product or refund of the purchase price of the product if any defect in material or variance in the product beyond recognized tolerances in the specifications are found to exist.</p> <p>No other remedy including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss shall be available to the purchaser.</p> <p style="text-align: center;"><b>PRECAUTIONS</b></p> <p>Wear proper clothing, eye protection, dust masks and rubber gloves to avoid prolonged contact with skin and eye contact. Wash thoroughly after use. Read all product labels, technical data and safety instructions before use.</p> <p style="text-align: center;"><b>The Strong Company, Inc.</b> 4505 Emmett Sanders Road • Pine Bluff, AR 71601 (800) 982-8009 Fax (870) 850 6933 Website: <a href="http://www.strongseal.com">www.strongseal.com</a> Email: <a href="mailto:info@strongseal.com">info@strongseal.com</a></p>
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