

TECHNICAL DATA

DESCRIPTION: **Gunite 7500** is a one component shotcrete concentrate containing special additives, air entrainment, corrosion inhibitors, silica fume and alkali resistant fibers for added tensile strength. **Gunite 7500** is ready to use, requiring only jobsite addition of potable water and clean sand meeting ASTM C-33. **Gunite 7500** sets normally which permits easy finishing and placement.

Gunite 7500 allows the contractor the advantages of a high performance repair material and the economics of field mixing. The cement blend arrives to the job requiring only the addition of well graded, clean ASTM C-33 concrete and potable water. After thoroughly mixing **Gunite 7500**, sand and water in a mechanical mixer, the product will yield high performance properties without high cost.

USE FOR: Bridges and roadways, tunnels and piers, manhole and sewer repairs, elevated concrete slabs, parking decks, piers and bulkheads

- ADVANTAGES:**
- Shotcrete concentrate for economical application of high performance material
 - Silica fume and alkali resistant fibers for added tensile strength
 - Air entrainment
 - Corrosion inhibitors
 - Low rebound and dust
 - Low permeability
 - Formulated for dry process equipment

| | 3 DAYS | 7 DAYS | 28 DAYS |
|--|------------------------|------------------------|------------------------|
| Compressive Strength (ASTM C 109 Modified) | 3000 psi (20.6 MPa) | 6000 psi (41.2 MPa) | 7000 psi (48.0 MPa) |
| Bond Strength (ASTM C 882 Modified) | | 1250 psi (8.6 MPa) | 1700 psi (11.6 MPa) |
| Flexural Strength (ASTM C 348) | | 1500psi (10.3 MPa) | 2000 psi (13.7 MPa) |
| Splitting Tensile (ASTM C 496) | | 500 psi (3.4 MPa) | 700 psi (4.8 MPa) |
| Air Content | 6.5% (+/- 1.5%) | | |

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- APPLICATION:** Add no more than 175 lb of clean concrete sand meeting ASTM C-33 per 50 lb bag of **Gunite 7500**. Mix the **Gunite 7500** and sand thoroughly in a mechanical mixer sufficiently to ensure homogeneous mix. Use normal dry process shotcrete methods. Pre-dampen surface for good bond. For dry process, add water at muzzle. Follow practices of ACI 506-R85: "Guide to Shotcrete".
- LIMITATIONS:** **Gunite 7500** should be used when ambient temperatures are 40°F (4°C) and rising. Lower temperatures produce a slower set; higher temperatures produce a faster set. For temperatures below 40°F (4°C) consult with the manufacturer for special cold weather placement provisions which include but are not limited to conditioning of the materials, use of heated mix water and thermal protection. In hot weather use chilled water for mixing.
- PACKAGING:** **Gunite 7500** is packaged in 50 lb bags. Each bag yields approximately 1.2 ft³ of mortar when mixed with 175 lb of concrete sand meeting ASTM C-33.

CAUTION: **WARNING! CONTAINS FREE SILICA & PORTLAND CEMENT. DO NOT BREATHE DUST.** May cause delayed lung injury (silicosis). Follow OSHA safety and health standards for crystalline silica (quartz). Cement powder or freshly mixed concrete grout or mortar may cause skin injury. Avoid contact with skin and wash exposed skin areas promptly with water. If any cement powder or mixture gets into the eyes, rinse immediately and repeatedly with water and get prompt medical attention.