

TECHNICAL DATA

DESCRIPTION: **Gunite 7041** is a single component, micro silica modified shotcrete mortar with ½” polypropylene, alkali resistant fibers. Fibers increase tensile and flexural strength, while reducing drying shrinkage. **Gunite 7041** features micro silica to increase density and lower permeability. Special additives greatly reduce dust and rebound. A single component formulation, **Gunite 7041** is easy to use, requiring only the addition of potable water at the jobsite.

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

- ADVANTAGES:**
- Fibers provide superior tensile and flexural strengths and reduced drying shrinkage
 - Proper aggregate gradation
 - High build
 - Low rebound
 - Use on vertical or overhead repairs
 - NSF/ANSI/CAN 61 & 372 certified for drinking water systems

	1 DAY	7 DAYS	28 DAYS
Compressive Strength (ASTM C 109 Modified)	2000 psi	3400 psi	6000 psi
Slant/Shear Bond Strength (ASTM C 882 Modified)			2200 psi
Modulus of Elasticity (ASTM C 469 Modified)			4410 psi
Length Change (ASTM C 157 Modified)	-0.025% (28 Days Dry Cured), +0.02% (28 Days Wet Cured)		
Set Time	Initial Set 2 hours		Final Set 4 hours
Resistivity (Ohm-cm)	< 15,000 ohm-cm		

APPLICATION: Add potable water to **Gunite 7041** at a maximum rate of 10% water (123 fluid ounces per 80 lb bag) by weight to **Gunite 7041**. Use normal wet process shotcrete methods. Pre-dampen surface to a surface saturated, dry condition with clean water for good bond. No special curing is required. Always follow practices of ACI 506-5: Guide to Shotcrete for application and curing methods. For detail application instructions refer to US Concrete Guide Specification Guide.7001.

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LIMITATIONS: **Gunite 7041** should be used when ambient temperatures are at 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 7041** is packaged in 80 lb or 3000 lb bags. Each 80 lb bag yields approximately .60 ft³ when mixed with water.



Meets the Requirements of
NSF/ANSI/CAN 61 & 372

Certified to NSF/ANSI/CAN 61
& 372

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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.