



# FIVE STAR FOCUS

## Concrete Restoration, Repair & Repurposing Sustainable and Economical

A superb sales opportunity with customers and prospects involved in...

Formwork Savings of 50 to 100%

Minimal, If Any Formwork

Complex Shapes—Little If Any Formwork

Labor Savings

Speed of Repair

Reduce Downtime

Adaptable to Various Surfaces

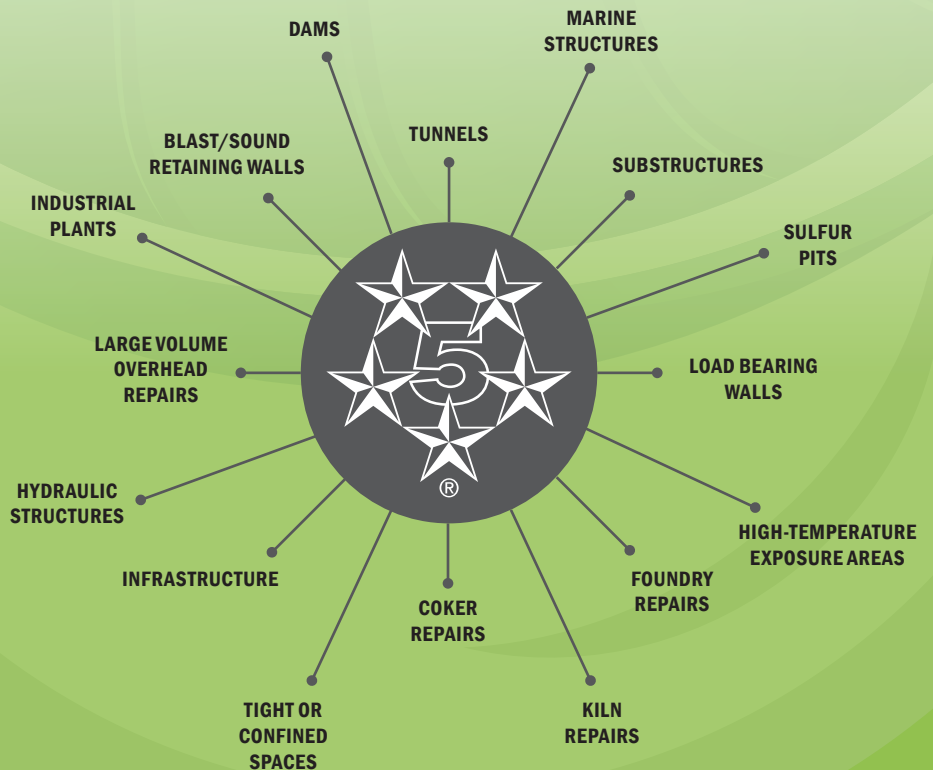
Bond Strength—Enhances Durability

Excellent Bond Without Application or Use of Bonding Agents

Wide Variety of Custom Finishes

Access Difficult Areas Including Overhead and Underground

Accommodates Irregular and Curved Surfaces



## Proven Results for Your Projects



Wastewater Treatment Plant Repairs



Coker Pit Repairs



Sulfur Pit Repairs

## Five Star Structural Concrete® Gunite Load Bearing Walls, Industrial Plant Repairs, Marine/Hydraulic Structures

A shotcrete applied, dry process with high early strength permanent concrete repair material with migrating corrosion inhibitor technology. Produces a repair which is dimensionally stable, develops an integral bond to the existing concrete, and restores structural integrity within hours of placement. Moisture sensitive coatings can be applied in 8 to 24 hours.

### ADVANTAGES

- Single component
- High three hour strengths
- Vertical and overhead repairs
- Excellent resistance to sulfates
- Cold weather installation
- Excellent freeze/thaw resistance
- High bond strength
- Very low chloride ion permeability
- Application thickness down to 1/4 inch (6 mm)
- Can be coated in 8 to 24 hours
- Outstanding corrosion resistance for protection and rehabilitation

### USES

- Rapid repair of load bearing walls, ceilings and other structural members
- Rapid repairs during shutdown
- Rapid structural repair for industrial plants
- Marine and hydraulic structure repairs
- Cold weather repair

## Five Star Structural Concrete® Gunite S300 Sulfur Pits, Load Bearing Walls, Overhead Repairs, Marine, Industrial Plants

A dry process shotcrete applied, high strength, permanent concrete repair material. May be used from 1/4 inch (6 mm) to deep/full depth applications and provides a long finishing time. Offers increased corrosion protection of steel reinforced structures with migrating corrosion inhibitor technology and very low chloride ion permeability.

### ADVANTAGES

- Available in 3,000 Lb. bulk bag packaging for large volume applications
- Long finishing time
- High bond strength
- Low rebound
- Versatile - 1/4 inch (6 mm) to full depth applications
- High one and 28 day strengths
- Very low chloride ion permeability
- Excellent freeze/thaw resistance
- Outstanding corrosion resistance for protection and rehabilitation

### USES

- Vertical and overhead repairs
- Repair of load bearing walls, ceilings and other structural members
- Structural repair for industrial plants
- Marine and hydraulic structure repair
- Sulfur pits



## Five Star Structural Concrete® Gunite WP Industrial Plants, Overhead Repairs, Marine/Hydraulic Structures

A wet process shotcrete applied, permanent concrete repair material. May be used from 1/4 inch (6 mm) to full depth applications and provides a long finishing time. Provides increased corrosion protection of steel reinforced structures with migrating corrosion inhibitor technology and very low chloride ion permeability.

### ADVANTAGES

- Large volume applications
- Long finishing time
- Pneumatically applied
- Low rebound
- Versatile 1/4 inch (6 mm) to full depth applications
- Very low chloride ion permeability
- Excellent freeze/thaw resistance
- Available in 3,000 lb. bulk bag packaging for large volume applications
- Outstanding corrosion resistance for protection and rehabilitation

### USES

- Vertical and overhead repairs
- Repair of load bearing walls, ceilings and other structural members
- Structural repair for industrial plants
- Marine and hydraulic structure repair

## Five Star Structural Concrete® Gunite WP/FS Load Bearing Walls, Confined Space Repair, Industrial Plants

A wet process shotcrete applied, permanent concrete repair product. It is a high-strength, one component, enhanced hydraulic cement repair material. May be used from 1/4 inch (6 mm) to full-depth applications and provides a long finishing time. Five Star Structural Concrete® Gunite WP/FS provides increased corrosion protection of steel reinforced structures with migrating corrosion inhibitor technology and low chloride ion permeability.

### ADVANTAGES

- Large volume applications
- Long finishing time
- Pneumatically applied
- Low chloride ion permeability
- Very low rebound
- Versatile 1/4 inch (6 mm) to full depth applications
- Fiber reinforced for crack resistance
- Outstanding corrosion resistance for protection and rehabilitation

### USES

- Structural repair for industrial plants
- Vertical and overhead repairs
- Repair of load bearing walls, ceilings and other structural members
- Tight or confined space repair

## Five Star Structural Concrete® HTR Shotcrete High Temperature Exposure, Coker, Kiln, Foundry Repairs

A unique high temperature resistant concrete repair material applied by dry process shotcrete. Gains strength rapidly and can be exposed to 1,000°F (538°C) in three hours and up to 2,400°F (1,316°C) after a 7-day curing procedure.

### ADVANTAGES

- Thermal shock resistant
- High temperature resistance
- Rapid strength gain
- Resistant to sulfates
- Dry process shotcrete application
- Excellent freeze/thaw resistance

### USES

- Areas of high temperature exposure
- Thermal cycling up to 2,400°F (1,316°C)
- Rapid repairs during shutdowns
- Coker, kiln and foundry repairs



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