

Five Star[®] Product Line Card

Engineered Solutions[™]

PETROCHEMICAL



POWER / UTILITY



INDUSTRIAL



INFRASTRUCTURE



- ▣ Cementitious Grouts
- ▣ Epoxy Grouts
- ▣ Concrete Repair
- ▣ Mortars
- ▣ Structural
- ▣ Structural Shotcretes
- ▣ Infrastructure
- ▣ Adhesives
- ▣ Coatings/Sealants
- ▣ Waterproofing



*Pre-placement
meetings*



On-site support



*Engineering &
technical support*

GROUTS

Cementitious

Five Star® Cement Grouts meet or exceed industry specification requirements CRD-621 and ASTM C 1107. Combined with precision non-shrink performance and the highest commercially available Effective Bearing Area (EBA), Five Star® Cement Grouts ensure the most consistent and highest level of performance across a wide range of temperatures and job site conditions.

FIVE STAR® GROUT

The industry's leading cement-based, nonmetallic, non-shrink grout for supporting machinery and equipment. Formulated with Air Release technology that combines high performance with the greatest reliability.

FIVE STAR® FLUID GROUT 100

Nonmetallic, non-shrink fluid grout for supporting equipment requiring precision alignment. Placement within tight clearances down to 1/2 inch.

FIVE STAR® HIGH-STRENGTH GROUT

Precise non-shrink grout with high 1, 7, and 28 day compressive strengths.

FIVE STAR® HYBRID GROUT

Excellent flowability while reaching ultra-high early and ultimate compressive strength. Ability to install in wide temperature range, ideal for heavy static load and load vibratory applications.

FIVE STAR® HTR GROUT

Uniquely formulated to support equipment and structural baseplates in high temperature environments. Thermal shock and sulfate resistant. Can be exposed to 1000° F (538° C) in 24 hours and up to 2400° F (1316° C) after a 7-day curing procedure.

FIVE STAR® SPECIAL GROUT 400

Nonmetallic, non-shrink, fluid grout specifically formulated for grouting of cables and tendons that provides corrosion protection.

FIVE STAR® INSTANT GROUT

Rapid-strength gain, nonmetallic, non-shrink grout for supporting machinery requiring precision alignment and quick turnaround. Ideal for four-hour machinery startup and cold-weather grouting.

FIVE STAR® FLUID GROUT 161

NSF/ANSI 61 Certified non-shrink fluid grout safe for use on applications that may come into contact with potable water.

FIVE STAR® CLARIFIER GROUT

Sulfate resistant, moderate heat of hydration, nonmetallic grout for clarifier bottoms.

Epoxy

Five Star® Epoxy Grouts provide industry-leading performance with 95% Effective Bearing Area and 0.00% shrinkage when tested in accordance with ASTM C 827. Ultra-low creep, superior compressive strengths, and high chemical, impact, and vibration resistance all characterize Five Star® Epoxy Grouts allowing them to provide the performance you need where it matters most.

FIVE STAR® DP EPOXY GROUT

The only expansive, non-shrink, low-exothermic epoxy system for machinery grouting. Long working time with solvent-free cleanup. Available in Standard and High Flow. Pour range: 1/2 inch - 18 inches.

FIVE STAR® DP EPOXY GROUT PG

Pumpable, low-exotherm epoxy grouting system formulated for single, large volume placements. Superior creep resistance with the highest effective bearing area.

FIVE STAR® FLUID EPOXY

Rapid-cure fluid epoxy system for adhesive grouting, anchoring, repair cracks, and setting of bolts and wedges. Self-leveling with excellent adhesion to steel.

FIVE STAR® SP EPOXY GROUT PG

The next generation in ultra-high performance epoxy grout. Extremely high compressive strength, expansive and non-shrink, ultra-low creep and 95% Effective Bearing Area (EBA).

FIVE STAR® CRANE RAIL GROUT

Highly-flowable, non-shrink, rapid-strength gain, epoxy grout for tight clearance applications and dynamic loads. Excellent chemical resistance.

FIVE STAR® EPOXY NOVOLAC GROUT

Highly-chemical-resistant, 100% solids grout designed for aggressive chemical environments where exposure to concentrated acids, alkalis, corrosives or solvents can occur.

FIVE STAR® HP EPOXY GROUT

Non-shrink, high-performance epoxy system for equipment requiring precision alignment. Formulated to exhibit high early strength combined with the highest creep resistance at elevated temperatures. Available in Standard and High Flow. Pour range: 1 - 6 inches.

FIVE STAR® RAPID EPOXY GROUT

Rapid-strength gain epoxy grout designed for short turnaround precision grouting. Superior flowability and high flow for tight clearances without aggregate reduction.

FIVE STAR® EPOXY CHOCK & EPOXY CHOCK EX

Epoxy chocking systems for use under integral gas compressors, skid mounted equipment, turbines, generators, and other critically aligned machinery. EX kit includes aggregate for higher yield, lower exotherm and deeper clearances.

FIVE STAR® ELASTOMERIC GROUT

Flexible polymer grout for light rail transportation grouting. Imparts vibration and sound dampening properties combined with exceptional electrical resistance.



CONCRETE REPAIR

Five Star Products continues to provide industry-leading and innovative solutions to the many challenges associated with structural concrete repair and restoration applications. Five Star Products offers a full line of products where permanent bond, dimensional stability, high early compressive strengths, durability and ease of use are required.

Crack Fillers

FIVE STAR® CRACK REPAIR SLV

Low-viscosity, hybrid polyurethane for use as an easy to apply, rapid curing concrete repair material. Offers deep penetration into hairline cracks with fast turnarounds. Can be used in temperatures from 0°F to 115°F (-18°C to 46°C).

Mortars

FIVE STAR® MP EPOXY PATCH

Multi-purpose epoxy patching mortar for the repair of floors, trenches and ramps. Provides superior performance in dynamic load or chemical exposure environments.

Structural

FIVE STAR STRUCTURAL CONCRETE®

Fast, permanent repair material with high early strength gain for overlays, horizontal repairs and formed vertical surfaces. Single component for reliability and ease of use.

FIVE STAR STRUCTURAL CONCRETE® V/O

A high-strength, rapid-setting, one-component, permanent concrete repair material for vertical and overhead structural repairs.

FIVE STAR STRUCTURAL CONCRETE® ES

A high-early-strength, single-component, permanent concrete repair material which provides a 25-minute working time.

FIVE STAR STRUCTURAL CONCRETE® ES-60

Fast, high-early-strength, single-component, permanent concrete repair material that provides 60-90 minute working times. For deep, large volume pours.

FIVE STAR STRUCTURAL CONCRETE® UNDERWATER HAND PACK

Rapid-strength-gain, single-component, permanent concrete repair material intended for underwater application by hand or trowel with minimal washout.

FIVE STAR NOVOLAC STRUCTURAL CONCRETE®

A three-component, 100% solids, highly chemical resistant epoxy repair material with excellent impact and wear resistance. Ideal for the construction or repair of curbs, trenches, floors and pads.

FIVE STAR STRUCTURAL CONCRETE® HTR

Fast-turnaround, high-temperature resistant concrete repair material which can be pumped or poured into place. Can be exposed to 1,000°F (538°C) in six hours and up to 2,400°F (1,316°C) after a 7-day cure.

FIVE STAR STRUCTURAL CONCRETE® S300

A normal-setting, one-component, enhanced-hydraulic cement mortar used for pourable and pumpable repairs of concrete structures. Long working times are perfect for overlays, large-volume repairs and foundation upgrades.

Structural Shotcretes

FIVE STAR STRUCTURAL CONCRETE® HTR SHOTCRETE

High-temperature resistant concrete repair material which is applied by dry process shotcrete.

FIVE STAR STRUCTURAL CONCRETE® GUNITE

A dry-process shotcrete applied, high-early-strength permanent concrete repair material.

FIVE STAR STRUCTURAL CONCRETE® GUNITE S300

A dry-process shotcrete applied, high-strength, permanent concrete repair material. Available in 3,000 lb bulk bag packaging for large volume applications.

FIVE STAR STRUCTURAL CONCRETE® GUNITE WP

A wet-process shotcrete applied, permanent concrete repair material. Ideal for large volume applications with long finishing time.

FIVE STAR STRUCTURAL CONCRETE® GUNITE WP-FS

A wet-process shotcrete applied, permanent concrete repair product. It is a high-strength, one component, enhanced hydraulic cement repair material.

Infrastructure

FIVE STAR® HIGHWAY PATCH

Fast-setting hydraulic cement material ideal for horizontal repairs of concrete in traffic areas. Provides resistance to oil, grease, gasoline, salts and other transportation-related chemicals.

FIVE STAR® RAPID SURFACE REPAIR PF-60

Rapid-setting two-part liquid, polyurethane-hybrid polymer for the repair and rehabilitation of concrete and asphaltic concrete pavements. Long-lasting repairs handle vibration, heavy traffic and thermal movement.

FIVE STAR® RAPID SURFACE REPAIR EASY MIX™

Self-leveling, low-viscosity liquid polymer for quick surface repair of concrete and asphaltic concrete surfaces of roads, bridges, and walk and runways. Durable, long-lasting and traffic ready in as little as 30 minutes.

FIVE STAR® HIGHWAY PATCH WINTER

Fast-setting repair mortar for horizontal repairs of concrete in pavements and bridge decks in cold-weather conditions.

FIVE STAR® HIGHWAY PATCH FR

Fiber-reinforced, fast-setting, high-strength, cement-based repair mortar designed for transportation applications where high early strength gain is needed to reduce down time. No wet-cure is required.

Other

FIVE STAR® SUMMERSET

Extends the set time of rapid setting cement mortars.



ADHESIVES & SEALANTS

Adhesives

FIVE STAR® BONDING ADHESIVE

Highly chemical resistant epoxy coating for horizontal and vertical applications, effective on both steel and concrete. Ideal for secondary containment surfaces and process areas.

FIVE STAR® EPOXY ADHESIVE LV

Low-viscosity, moisture-insensitive, epoxy system used for filling cracks and voids up to 1/4 inch (6 mm).

Coatings/Sealants

FIVE STAR® EPOXY NOVOLAC COATING

Highly chemical resistant epoxy coating for horizontal and vertical applications, effective on both steel and concrete. Ideal for secondary containment surfaces and process areas.

FIVE STAR® EPOXY NOVOLAC PRIMER

Highly chemical resistant epoxy primer/sealer for horizontal and vertical applications, excellent adhesion to green or new concrete. For use with Five Star® Epoxy Novolac Coating.

FIVE STAR® EPOXY PRIMER

100% solids, low viscosity epoxy primer designed for steel and concrete corrosion protection.

Waterproofing

FIVE STAR® WATERPROOFING

High-performance, cementitious waterproofing coating for concrete and masonry surfaces. Creates a rigid barrier which resists very high water pressures in both positive and negative side applications.

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