

# Five Star<sup>®</sup> Product Line Card

## PETROCHEMICAL



## POWER / UTILITY



**Precision Cementitious Grouts**

**Precision Epoxy Grouts**

**Construction Grade Cementitious Grouts**

**Concrete Rehabilitation & Repair**

## INDUSTRIAL



## INFRASTRUCTURE



- Structural
- Structural Shotcretes & Gunites
- Concrete Surface
- Additives, Adhesives, Coatings, Crack Fillers, Waterproofing



*Pre-placement meetings*



*On-site support*



*Engineering & technical support*

# GROUTS

## Precision Cementitious

Five Star® Cement Grouts meet or exceed industry specification requirements CRD-621 and ASTM C1107. 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** ✱

Premier all-purpose non-metallic cementitious grout for supporting equipment requiring precision alignment

### **FIVE STAR® FLUID GROUT 100** ✱

Premier cementitious fluid grout for supporting equipment requiring precision alignment

### **FIVE STAR® HIGH STRENGTH GROUT**

High compressive strength, precision, cementitious non-shrink grout

### **NEW FIVE STAR® HIGH STRENGTH 130 GROUT**

High compressive strength, precision, cementitious non-shrink grout with longer working time and bulk bag capability

### **FIVE STAR® HYBRID GROUT**

Highly flowable, non-shrink, nonmetallic cementitious grout for heavy static load machinery, tanks, vessels, generators, small pumps and more

### **FIVE STAR® HTR GROUT**

High-temperature exposure cementitious grout

### **FIVE STAR® SPECIAL GROUT 400**

Fluid, non-shrink cementitious grout for cables, tendons and tight clearances

### **FIVE STAR® INSTANT GROUT**

Rapid strength gain cementitious grout for four-hour machinery startup and cold-weather grouting

### **FIVE STAR® CEMENTITIOUS UNDERWATER HIGH-STRENGTH GROUT**

Underwater pump grade, cement-based, non-shrink grout for pile repair/restoration and similar applications

## Precision 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.

### **NEW FIVE STAR® XP 230 EPOXY GROUT**

Ultra-high strength (23,000 psi) precision epoxy grouting system with high fatigue resistance under dynamic loading conditions and a low exotherm enabling higher monolithic pours

A wind tower bearing plate elimination system that forms a strong, full-contact, weathertight essential connection between the wind tower flange and the foundation.

### **FIVE STAR® DP EPOXY GROUT** ✱

Deep pour, low exotherm precision epoxy grouting system

### **FIVE STAR® DP EPOXY GROUT HIGH FLOW** ✱

Deep pour, high flow, low exotherm precision epoxy grouting system

### **FIVE STAR® DP EPOXY GROUT PG**

Low exotherm, pumpable precision epoxy grouting system

### **FIVE STAR® FLUID EPOXY**

High-performance, all-purpose fluid epoxy

### **FIVE STAR® SP EPOXY GROUT PG**

Superior performance, extremely high-compressive strength, pump grade, non-shrink, ultra-low creep epoxy grout system with outstanding EBA

### **FIVE STAR® LC EPOXY GROUT (FORMERLY CRANE RAIL GROUT)**

High-flow epoxy for low clearance applications and dynamic loads

### **FIVE STAR® HP EPOXY GROUT HIGH FLOW** ✱

High flow, high-performance (HP) expansive, non-shrink, epoxy grout system for equipment requiring precision alignment

### **FIVE STAR® HP EPOXY GROUT** ✱

High-performance (HP) expansive, non-shrink, epoxy grout system for equipment requiring precision alignment

### **FIVE STAR® RAPID EPOXY GROUT**

Rapid strength gain, fast turnaround epoxy grout

### **FIVE STAR® EPOXY NOVOLAC GROUT**

High chemical resistance grout designed for aggressive chemical environments

### **FIVE STAR® ELASTOMERIC GROUT**

Flexible polymer grout with vibration and sound-dampening properties and exceptional electrical resistance

### **FIVE STAR® EPOXY CHOCK & EPOXY CHOCK EX**

Epoxy chocking systems specifically engineered for use under integral gas compressors and other critically aligned machinery. The Epoxy Chock EX kit includes aggregate for higher yield, lower exotherm, and deeper clearances.

## Construction Grade Cementitious Grout

### **NEW FIVE STAR® NSG GROUT**

Versatile non-shrink cementitious grout ideal for general construction grouting applications.

✱ Denotes products available in a Nuclear Safety Related Application version that are compliant with ASME NQA-1 and U.S. Nuclear Regulatory Commission's 10CFR50 Appendix B and 10CFR21.



# CONCRETE REHABILITATION & 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.

## Structural

### **FIVE STAR STRUCTURAL CONCRETE®** ✂

Fast, permanent repair material with high early strength gain for overlays, horizontal repairs and formed vertical surfaces

### **FIVE STAR STRUCTURAL CONCRETE® ES**

Permanent repair material with a long working time and six-hour strength gain for overlays, horizontal repairs and formed vertical surfaces

### **FIVE STAR STRUCTURAL CONCRETE® ES-60**

Fast, high early strength, 60-90 minute working time permanent concrete repair material

### **FIVE STAR STRUCTURAL CONCRETE® V/O** ✂

Fast, permanent repair material for vertical and overhead surfaces

### **FIVE STAR STRUCTURAL CONCRETE® HTR**

Fast turnaround, high-temperature exposure repair material

### **NEW FIVE STAR STRUCTURAL CONCRETE® HTR ES**

Fast turnaround, high-temperature exposure repair material with 90-minute working time for larger / deeper volume pours.

### **FIVE STAR NOVOLAC STRUCTURAL CONCRETE®**

Highly chemical resistant epoxy repair material with excellent impact and wear resistance

### **FIVE STAR STRUCTURAL CONCRETE® S300**

Permanent repair material with a long working time for overlays, large-volume repairs and foundation upgrades

### **FIVE STAR STRUCTURAL CONCRETE® UNDERWATER HAND PACK**

Hand applied, rapid strength, underwater repair material

### **FIVE STAR STRUCTURAL CONCRETE® UNDERWATER PG**

High early strength, pump grade, underwater repair material

### **FIVE STAR® CLARIFIER GROUT**

Sulfate resistant, moderate heat of hydration, cementitious mortar for clarifier overlays

## Structural Shotcretes & Gunites

### **FIVE STAR STRUCTURAL CONCRETE® HTR SHOTCRETE**

Dry process shotcrete applied, high-temperature exposure repair material

### **FIVE STAR STRUCTURAL CONCRETE® GUNITE**

High early strength, dry process shotcrete repair material

### **FIVE STAR STRUCTURAL CONCRETE® GUNITE S300**

High strength, dry process shotcrete repair material

### **FIVE STAR STRUCTURAL CONCRETE® GUNITE WP**

High strength, wet process shotcrete repair material

### **FIVE STAR STRUCTURAL CONCRETE® GUNITE WP/FS**

Fine sand, wet process, shotcrete applied, permanent concrete repair material

## Concrete Surface

### **FIVE STAR® RAPID SURFACE REPAIR EASY MIX™**

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

### **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 chemicals found in the transportation environment.

### **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.

### **NEW FIVE STAR® REPAIR CONCRETE**

Rapid set, pre-extended, cementitious concrete repair mortar for commercial applications such as floors, balconies, and parking garages

## Additive

### **FIVE STAR® SUMMERSET**

Extended working time additive

## Adhesives

### **FIVE STAR® BONDING ADHESIVE**

Multi-purpose epoxy adhesive for bonding fresh concrete to hardened concrete or steel

### **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, two-component epoxy coating for horizontal and vertical applications effective on both steel and concrete

### **FIVE STAR® EPOXY NOVOLAC PRIMER**

Highly chemical resistant, two-component, penetrating epoxy primer/sealer for use with Five Star® Epoxy Novolac Coating

## Crack Fillers/Joint Repair

### **FIVE STAR® CRACK REPAIR SLV**

Low viscosity polyurea crack repair for horizontal surfaces; deep penetration into hairline cracks

## Waterproofing

### **FIVE STAR® WATERPROOFING**

High performance, cementitious waterproofing coating for concrete and masonry surfaces



# Product Line Card

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AND OPERATED



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