

# S L U T I O N S



## PROJECT:

*Plant Expansion,  
Chile*

**OWNER:** ENAP

**YEAR:** June 2007

## The Details

PROJECT CONTRACTOR:

DSD

PROJECT ENGINEER:

Tecnicas Reunidas - Spain

MARKET/ENVIRONMENT:

Refinery

SUBSTRATE:

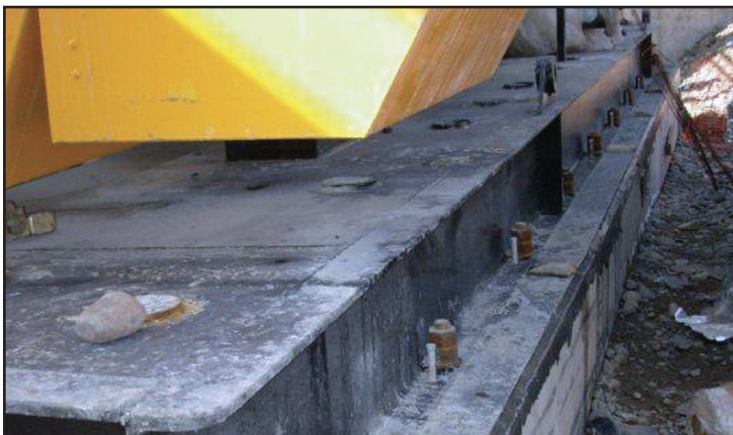
Concrete

PRODUCT USED:

Five Star® DP Epoxy Grout

SIZE OF PROJECT:

150 Kits of Five Star® DP Epoxy Grout



### The Challenge —

Install a concrete base for an ABB compressor.

### The Solution —

**Five Star® DP Epoxy Grout** was chosen for this machinery grouting project because of its high strength and superior creep resistant properties.

Work included constructing framework, including expansion joints, which was then filled with Five Star® DP Epoxy Grout in a fluid consistency.



**FIVE STAR**

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# DP EPOXY GROUT

**Dual-Purpose, Deep Pour Precision Grout; Standard/High Flow**

## PRODUCT DESCRIPTION

Five Star® DP Epoxy Grout is the only expansive, non-shrink, low exothermic epoxy system for machinery grouting. This versatile, dual purpose product is formulated for single, large volume placements and may be used as thin as 1/2 inch (13 mm) in depth. Five Star® DP Epoxy Grout is a three component, 100% solids, solvent-free system formulated to provide high-strength and superior creep resistance combined with the highest effective bearing area. Five Star® DP Epoxy Grout exhibits positive expansion when tested in accordance with ASTM C 827.

## ADVANTAGES

- Permanent support for machinery requiring precision alignment
- Low exothermal properties with early strength development
- Long working time
- Solvent-free clean up
- Adjustable flow for various conditions
- Expansive, non-shrink per ASTM C 827
- Superior creep resistance
- Chemically resistant
- 95% effective bearing area (EBA) when following proper grouting procedures
- Excellent adhesion to steel

## USES

- Large volume applications
- Foundation rebuilds and skid mounted equipment
- Precision alignment under dynamic load conditions
- Vibration dampening for rotating equipment
- Aggressive chemical environments
- Support of tanks, vessels and rotating equipment
- Installation of anchors and dowels
- Wind turbine baseplates
- Available for Nuclear Safety Zone Applications<sup>1</sup>

<sup>1</sup>Compliant with NRC 10CFR50 Appendix B and ASME NQA-1 Quality Programs

## FIVE STAR® SERVICES

- Design-A-Spec™ engineering specification assistance
- Technical on-call center with field and project experienced staff
- Field support representatives for on-site consultation
- Corporate research laboratory available to customize products for unique applications



For worldwide availability, additional product information and technical support, contact your local Five Star® licensee, distributor, local sales representative, or you may call the Five Star Products' Engineering and Technical Service Center at 1-800-243-2206 (from the U.S.) or +1 203-336-7900 (outside the U.S.).

### Five Star Products, Inc.

750 Commerce Drive • Fairfield, CT 06825-5519 USA  
Phone: +1 203-336-7900 • Fax: +1 203-336-7930

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