

# S L U T I O N S

## PROJECT:

*New Unit Alkilation,  
Chile*

**OWNER:** ENAP

**YEAR:** July 2011



## 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:

45 Kits of Five Star® DP Epoxy Grout



**The Challenge** — install a concrete base for a generator (Elliot Group).

**The Solution** — Because **Five Star® DP Epoxy Grout** is formulated for large volume placements and exhibits excellent adhesion to steel, this Five Star® product was specifically chosen for this project.

Mixing of the Five Star® DP Epoxy Grout was done using a vertical mixer. A frame, including expansion joints, was constructed and filled with the epoxy grout in a fluid consistency.

Work was completed in 60 minutes with the participation of 6 workers.



**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.).

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