



SOLUTIONS | Case Study

Jebel Ali also sometime written “Mina Jebel Ali” is a deep port located in Jebel Ali, Dubai, United Arab Emirates. Jebel Ali is the world’s ninth busiest port, the largest man-made harbour, and the biggest and by far the busiest port in the Middle-East.



Jebel Ali Port – Container Terminal 2

Dubai, UAE

Product:

Five Star® DP Epoxy Grout High Flow

For information 1-800-243-2206 • FiveStarProducts.com



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Jebel Ali Port – Container Terminal 2



Date of Project: 2013

Project Owner: DP World, UAE

Project Contractor: Archirodon

Project Engineer: DP World

Market/Environment: Ports

Substrate: Concrete/Steel

Size of Project: 1,100 units of 28.8L Five Star® DP Epoxy Grout High Flow

Five Star® DP Epoxy Grout High Flow

Dual-Purpose, Deep Pour Precision Grout

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.

- Permanent support for machinery requiring precision alignment
- Low exothermic properties with early strength development
- 95% effective bearing area (EBA)
- Large volume applications
- Aggressive chemical environments

FIVE STAR® SERVICES

- Design-A-Spec™ engineering specification assistance
- Pre-placement meetings
- On-call center with experienced engineering and technical support
- Field support representatives for on-site consultation



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The Challenge

Extend the quay wall in the container terminal to handle more vessels.

Five Star® Solution

Gantry Railing, supplier of the crane rails, chose Five Star® DP Epoxy Grout High Flow for its precision alignment capabilities under dynamic load conditions and its excellent adhesion to steel.

The installation and grouting of nearly 2.6km of new rail has enabled the container terminal to handle several extra vessels, further increasing the port's efficiency and reducing turnaround times.

For worldwide availability, additional product information and technical support, contact your local Five Star® licensee, distributor, local sales representative, or call the Five Star Products' Engineering and Technical Service Center at 1-800-243-2206.

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